SRDS Report No. RD-69-22, VOL. (1)

FINAL REPORT

Contract No. FA-67-WAI-129
Project No. 197-641-01R

CLIMATOLOGICAL SUMMARIES

VISIBILITIES BELOW 1/2 MILE AND CEILINGS BELOW 200 FEET

VOLUME 1

ANCHORAGE, ALASKA
INTERNATIONAL AIRPORT

JUNE 1969

This report has been approved for unlimited availability.

Prepared for

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
Systems Research & Development Service

by

U.S. DEPARTMENT OF COMMERCE
Environmental Science Services Administration
ENVIRONMENTAL DATA SERVICE
NATIONAL WEATHER RECORDS CENTER

Asheville, N.C.

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This report has been prepared by U.S. DEPARTMENT OF COMMERCE, Environmental Science Services Administration, Invironmental Data Service, National Weather Records Center, Asheville, N.C. for the Systems Research and Development Service, Federal Aviation Administration, under Contract No. FA-67-WAI-129. The contents of this report reflect the views of the contractor, who is responsible for the facts and the accuracy of the data presented herein, and do not necessarily reflect the official views or policy of the FAA. This report does not constitute a standard, specification or regulation.

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1V	Visibility, ceiling zero.	
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INTRODUCTION

The tables contained herein have been prepared and organized for use in evaluating the cost/benefits of all weather landing systems and fog dissipation techniques. Thus, the time intervals of duration of the categories of weather are significant in determining the times of the delay, diversion or cancellation of an aircraft flight resulting from a restricted weather category. This information together with the number and types of aircraft affected by the restricted weather and the costs of a delay, diversion or cancellation combine to provide the total costs resulting from the weather restrictions.

Climatological summaries have been prepared for 41 airports. Their location and associated volume numbers are listed in Table A.

ENVIRONMENT AND INSTRUMENTATION

ANCHORAGE, ALASKA

INTERNATIONAL AIRPORT

Although located near sea level on the southern coast of the Alaskan mainland, Anchorage enjoys a relatively dry climate because it is situated at the northeast end of Cook Inlet and is protected from Gulf of Alaska storms by the Chugach Mountain Range, which rises abruptly to an elevation of 4,000 to 5,000 feet less than 10 miles east and southeast of the airport. The mighty Alaska Mountain Range, with an average elevation of 8,000 to 10,000 feet and with peaks above 18,000 feet (Mt. McKiniey 20,300), lies in a long arc from south west through northwest to northeast, approximately 100 miles distant from Anchorage.

Cook Inlet divides into two arms at Anchorage, with Turnagain Arm extending roughly 45 miles east-southeastward to Portage, and Knik Arm extending north-northeastward 18 miles, then east-northeastward an additional 12 miles to the mouth of the Knit River. The surface water temperature in the Upper Inlet varies from 31° F. in midwinter (considerable floating ice is present) to about 50° in late summer.

The fog season begins about October 10 and ends in early March. Visibilities in the fog are generally less than a mile and frequently less than 1/2 mile. Fog associated with surface temperatures near or above freezing ("warm air" fog) is the most common type during the early (October 10 to about November 10) fog season. In most cases such warm air fog forms following a period of precipitation, usually within 6 to 12 hours after the precipitation ends. After November 10, fog is normally associated with surface temperatures colder than 25° F, and is termed "cold air fog; this type of fog is usually associated with light low level winds and relatively dry air aloft. A light flow of cold continental air over the airport from any quadrant except east has had some over-water travel. The height of the fog layer top varies from 70 feet to as much as 2000 feet; although the average is between 500 and 1000 feet.

The tables in this publication are based on the period January 1, 1956-December 31, 1965. Ceilometer measurements of ceiling height were made for the entire period. Transmissometer (500 ft. baseline) was commissioned on runway 06 August 17, 1956, relocated November 2, 1960. Location of the airport weather station, its elevation, and the height of wind instrumentation during the period were as follows:

From	<u>1'o</u>	Lat. N.	Long. W.	Height of Wind Instrument Feet above ground	Station Elevation Feet above MSL
1- 1-56	3- 2-61	61° 10'	149* 591	41	90
3- 3-61	3-27-64	61* 10'	149° 59'	22	90
3-28-64	12-31-65	61° 10'	150° 01'	22	114

NATURE OF DATA

The data used in the preparation of the climatological tables were extracted from 10 years of WBAN 10-A forms from January 1956 through December 1965. There were two exceptions: The data for Dulles International covered the period January 1963 through December 1965 and for Kansas City-Mid-Continent the period July 1957 through December 1965. All data (Record, Special, Local, Check observations) were recorded on punched cards to the hour and minute whenever a change occurred in the ceiling, surface visibility, present weather, runway visual range or runway visibility during the time the ceiling was less than 200 feet and/or the surface visibility was less than 1/2 mile. The observation which ended a category of the above conditions was punched and if this observation was not a Record observation, the next Record observation was punched. The elements transcribed were: the time in hours and minutes, ceiling, surface visibility, tower visibility, present weather, temperature, dewpoint, surface wind, altimeter setting and remarks concerning runway visual range and runway visibility.

These data should prove to be a valuable source for additional studies where low visibilities are considered.

Runway visual range (RVR) is the operational weather criteria for airport landing systems. The limits of visibility conditions for categories of aircraft operations are presented in Table B. Only Cat. II criteria are currently operational. Because RVR as such, is not available on a uniform basis for the station and period of record under study, visibilities and ceilings were used for delineating categories of weather minimums for landing and take-off operations. The determination of RVR would require:

- 1. The light setting of the edge lights,
- 2. the background lighting.
- 3. the location with respect to runway,
- 4. a special analyzer to integrate the transmissiometer readings etc.

This information has not often been recorded with the transmissiometer data.

* Except Kansas City - Mid-Continent. Only Record (hourly) observations were taken during the period of record at this station; 16 hours per day (0700-2200) through November 1957 and 24 hours per day December 1957 through December 1965.

EXPLANATION OF TABLES

All the tables of climatological summaries except Table I are based on the reported visibilities of less than 1/2 mile and/or ceilings less than 200 feet.

The tables of climatological summaries in these publications include:

- (1) reported visibility and ceiling values versus time intervals of duration.
- (2) weather categories of aircraft landing systems based on their relationship to ceiling and visibility as presented in Table C, versus intervals of duration. This is Table X only.
- (3) percentage frequency of wind direction versus wind speed for each category of aircraft landing system using the relationship of Table C for Record observations only. These are presented for 13 stations only. This is Table XI only.
- (4) weather categories of landing systems based on their relationship to ceilings and visibility as presented in Table E, versus intervals of duration. These tables are also summarized on the basis of wind speed and temperature values.

• These stations are:

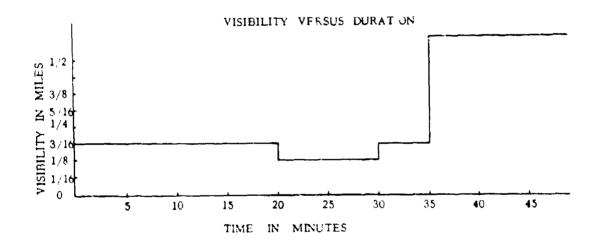
Los Angeles International, Oakland International, Chicago O'Hare, San Francisco International, Greater Buffalo International, Washington National, Washington Dulles International, Atlanta, Newark, New York J. F. K., Philadelphia International, New York La Guardia, Cleveland Hopkins International

REPORTED VISIBILITY AND CEILING VALUES VERSUS INTERVALS OF DURATION

Nine summaries are presented. In Tables I - V the values represent the individual incidents of specified ceiling and visibility. Thus, in Table III 3/8 mile visibility with 100 ft, ceiling occurs with a specific frequency for each interval of duration.

In Tables VI to IX, the frequency of occurrence represents visibilities for specific conditions of ceilings at or below the listed visibility. They are cumulative incidents wherein the total time at or below a certain visibility value for the ceiling value specified is considered as one incident. Thus, if in Table VII there are 172 incidents of 3/8 mile in the interval of 1-15 minutes, it represents 172 times during the 10-year period that visibilities 3/8 mile or less with ceilings 100 feet.

Another example which combines the entries in the individual and the cumulative tables is as follows: If visibility is distributed as shown in the figure, for ceiling 100 feet, if for 20 minutes the visibility was 3, 16 then went to 1/8 for 10 minutes, then went to 3/16 for 5 minutes and then to greater than 1/2 mile visibility in Table III there would be 2 counts for 3/16, one under 16-30 minutes and one under 1-15 minutes; and one count for 1/8 under 1-15 minutes; whereas, in the cumulative table for visibilities at or below a given visibility with 100-foot ceilings - Table VII in the 3/8, 5/16, 1/4 and 3/16 mile categories there would be one count under 31-45 minutes (actually 35 minutes) and one count in 1/8 mile category under 1-15 minutes (actually 10 minutes).



To estimate the total time of occurrence for a particular interval of time for the period of record one multiplies the average of time period by the frequency of occurrence of the specified conditions for this time period. Thus, if visibility of 3/8 mile with ceiling 100 feet (Table III) occurred 14 times between 16-30 minutes, the estimated total time would be 14 x 23 or 322 minutes.

WEATHER CATEGORIES OF AIRCRAFT LANDING SYSTEMS VERSUS INTERVALS OF DURATION BASED ON TABLE D

A single table (Table X) based on Table C for the period of record is presented. Table C is based on the current practices relating RVR to meteorological visibilities as shown in Table D.

Table X is in three sections:

Xa. Frequency of occurrence of the landing categories versus the indicated duration intervals:

In this summary Categories II, IIIa, IIIb, and IIIc are represented by the frequency of these conditions occurring during the specified intervals.

In Category II + III the frequency represents the visibilities and ceilings at or below Category II weather, i. e., below 200 feet and/or 1/2 mile for a continuous period of time.

In Category III, the number of occurrences represent the frequency the weather was in in Category IIIa and IIIb/c i.e., observation below 1/4 mile and equal to and above 1/4 mile when the ceiling is reported as zero for a continuous period of time.

Xb. Total time in each duration versus the duration intervals in hours and tenths of hours. The entries in this table are arrived by adding the times in minutes associated with the frequencies above. These totals are converted to hours and tenths. This table also contains the percentage of time for the 10-year period of observations of specified duration intervals, i. e., 1-90, 91-all, 1-all. This table is derived by dividing the total time under each category for the specified duration interval by the total number of hours. Thus the percentage value for Category II + III the 1-all group (last column, 4th value down) represents the frequency of occurrence for the ten-year period in percent of visibility and ceilings below 1/2 mile and, or 200 feet.

Xc. Average time in each duration versus the duration intervals.

This table is derived by dividing the total time in minutes of each item in Table Xb by the frequency of occurrence in Table Xa.

WIND DIRECTION VERSUS SPEED BY PERCENTAGE FREQUENCY (Table XI)

Table XI (for 13 stations) (unnumbered on summaries) show the percentage distribution of the different categories in accordance with Table D by wind direction to 16 points versus specified speed intervals. These categories, II, IIIa and IIIb/c, are divided into 2100-0500 and 0600-2000 hour groups making a total of six sub-tables.

Only the hourly (Record) observations when Category II or below conditions exist are used in these summaries. The percentages are determined by dividing the number of hourly observations which were recorded during the entire period of record for the indicated hour group. The percentage figures can be combined to obtain percentages for the quadrants of different speed intervals.

WEATHER CATEGORIES OF LANDING SYSTEMS VERSUS INTERVALS OF DURATION BASED ON TABLE E

Nine tables XII - XXI are presented for the ten-year period. These tables are presented in three sections;

a. Frequency of occurrences of landing categories versus duration intervals:

Categories II, IIIa, IIIb, and IIIc are represented by the total time for the specified hour gre 2 that these conditions occur during the indicated intervals.

In Categories II + III the frequency represents the visibilities and ceilings at or below Category II weather e. g., below 2400 RVR. In Category III the frequency represents the visibilities at or below Category III weather e. g., below 1200 RVR.

b. Total time in each duration versus the duration intervals hours and tenths,

The entries in this table are derived by adding the time in minutes associated with the frequency above and converting them to hours and tenths.

c. Average time in each duration versus the duration intervals.

This table is derived by dividing the total time in minutes of each value in b by the corresponding frequency of occurrence in a.

In these tables, since the period of duration is the important element, each incident of weather is attributed to the hour group during which it began. Thus, if Category IIIa weather began in the 22-06 hour group and continued into the 07-13 hour group the total time is placed in the 22-06 group. It is probable, then, that the incidence of the various categories may be overestimated in the 22-06 group. The totals appearing in the all hour group, however, are correct.

The sum of Categories IIIa, IIIb, and IIIc in the all-hour groups and sometimes in the other hour groups are frequently greater than under Cat. III. This results from the addition of 5% of observations of 3/16 mile or greater with ceiling 100 feet added to Cat. IIIa, whereas, this 5% is not included in the Cat. III totals at the bottom of each table.

The difference between Cat. III totals and the sum of Cat. IIIa, IIIb, and IIIc are subtracted from the Cat. II totals for the all-hour group and appears at the end of the Cat. II line with an asterisk. This value is a better estimate of the occurrence of Cat. II weather for the 10-year period.

EXPLANATION OF TABLE E

The relationship of RVR with light setting 5 for a 500' baseline to the meteorological report of visibility, based on the information in Circular $N^1/$, is given in Table F. This was the basis for establishing the relationships in Table E. The use of the highest setting for the edge lights for approaches in low visibility is the current operational practice. Although the selection of some of the relationships in Table E have been somewhat arbitrary, it can be expected that the observers report of low visibilities and ceilings will be more inexact than the cut off point of these relationships.

1/ Manual of Surface Observations (WBAN). Circular N, Weather Bureau, Washington, D. C. NAVAIR 501D505, July 1968 (AD672-366)

ACKNOWLEDGEMENTS

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This is one of 41 volumes of Report RD-69-22. The volumes are as follows:

VOL.	CITY	AIRPORT
1.	Anchorage, Alaska	International
2.	Atlanta, Georgia	Atlanta
3.	Baltimore, Maryland	Friendship International
4.	Birmingham, Alabama	International
5.	Boston, Massachusetts	General E. L. Logan International
6.	Buffalo, New York	Greater Buffalo International
7.	Burbank, California	Hollywood-Burbank
8.	Chicago, Illinois	O'Hare International
9.	Cincinnati, Ohio	Greater Cincinnati
10.	Cleveland, Ohio	Cleveland-Hopkins International
11.	Columbus, Ohio	Port Columbus International
12.	Dallas, Texas	Love Field
13.	Dayton, Ohio	James M. Cox Municipal
14.	Denver, Colorado	Stapleton International
15.	Detroit, Michigan	Detroit Metropolitan-Wayne County
16.	Hartford, Connecticut	Bradley International (Windsor Locks)
17.	Houston, Texas	William P. Hobby
18.	Indianapolis, Indiana	Weir Cook
19.	Kansas City, Missouri	Mid-Continent International
20.	Los Angeles, California	International
21.	Louisville, Kentucky	Standiford Field
22.	Miami, Florida	International
23.	Milwaukee, Wisconsin	General Mitchell Tield
24.	Minneapolis, Minnesota	Minneapolis-St. Paul International
25.	Nashville, Tennessee	Metropolitan
26.	Newark, New Jersey	Newark
27.	New Orleans, Louisiana	International
28.	New York, New York	John F. Kennedy International
29.	New York, New York	La Guardia
30.	Oakland, California	Metropolitan Oakland International
31.	Philadelphia, Pennsylvania	International
32.	Pittsburgh, Penr 3ylvania	Greater Pittsburgh International
3 3.	Portland, Oregon	International
3 4.	Rochester, New York	Rochester-Monroe County
35.	St. Louis, Missouri	Lambert-St, Louis Municipal
36.	Salt Lake City, Utah	Municipal No. 1
37.	San Francisco, California	International
38.	Seattle, Washington	Seattle-Tacoma International
39.	Syracuse, New York	Clarence E. Hancock
40.	Washington, D. C.	Dulles International
41.	Washington, D. C.	National

TABLE A

LIMITS OF LANDING CATEGORIES

- CAT. Il Operations down to minima below 200 feet decision height and 2400 RVR and to as low as 100 feet decision height and 1200 RVR.
- CAT. IIIA Below 100 feet decision height and 1200 RVR and to as low as 50 feet decision height and 700 RVR.
- CAT. IIIB Below 700 RVR to 150 RVR.
- CAT. IIIC No external visual reference,

TABLE B

- Current operational criteria Criteria not firm, used for planning purposes

CEILING '.ND VISIBILITY EQUIVALENTS FOR CATEGORIES OF AIRCRAFT LANDING OPERATIONS CURRENT PRACTICE CRITERIA for Table X and XI

Category II: Visibility = 1/2 and ceiling = 100

Visibility =3/8 and ceiling ≠ 0

Visibility = 5/16 and ceiling # 0

Visibility = 1/4 and ceiling ≠ 0

Category III-a: Visibility = 1/4 and ceiling = 0

Visibility = 3/16 and all ceilings

Visibility = 1/8 and all ceilings

Category III-b/c: Visibility = 1/16 and all ceilings

Visibility = 0 and all ceilings

Category III: The sum of IIIa, IIIb, and IIIc

TABLE C

RVR VERSUS VISIBILITY (Current Practice)

METEOROLOGICAL VISIBILITY	RVR EQUIVALENT
Statute Miles (feet)	Feet
3/16 (990 feet)	1200
• 1/4 (1320 feet)	1600
• 1/2 (2640 feet)	2400

TABLE D

 United States Standard for Terminal Instrument Procedures (TERPs), Federal Aviation Agency, September 1966.

CEILING AND VISIBILITY EQUIVALENTS FOR CATEGORIES OF AIRCRAFT LANDING OPERATIONS Criteria for Tables XII-XXI

Category II Below 2400 ft. RVR to 1200 ft. RVR

Equivalent Meteorological Observations

All observations with visibilities greater than 3/8 mile with ceiling 100 feet.

All observations of 3/8 mile with ceiling not equal to zero.

All observations of 5/16 mile with ceiling not equal to zero.

Ail observations of 1/4 mile with ceiling not equal to zero.

All observations of 3/16 mile with ceiling not equal to zero.

Category III
Category IIIa
Below 1200 ft. RVR to
700 ft. RVR

All observations of 1/8 mile.

All observations of 3/16 mile or greater with zero ceiling.

5% of observations of 3/16 mile or greater with ceiling 100.

Category IIIb
Below 700 ft, RVR to
150 ft, RVR

All observations of 1/16 mile.

50% of all observations of zero miles.

Category IIIc Below 150 ft. RVR

50% of observations of zero miles.

TABLE E

RVR VERSUS METEOROLOGICAL VISIBILITY

Circular N

Reported Meteorological Visibilities	RVR (500 ft. Setting	Caregory		
Miles (feet)	Day	Night		
0 (less than 330 feet)	•	•	(IIIc and IIIb)	
1/16 (350 feet-650 feet)	•	•	(IIIb)	
1/8 (660 feet-980 feet)	1000-1400	•	(IIIb and IIIa)	
3/16 (990 feet-1310 feet)	1400-1800	1200-1800	(Cat. II)	
1/4 (1320 feet-1640 feet)	1800-2200	1800-2200	(Cat. II)	

[•] No determination of RVR with respect .) meteorological visibility,

TABLE F

AND HORAGE . 1975 RHAT ICHAE

TABLE 1. VISIBILITY & 1/2 WILL WICH CEILING & 700 FEET.

COMMATION IN MIMUTES

1-19 10-10 31-09 00-00 01-120 (21-180 101-200 201-300 301-080 08

							IR = NUT				
V15181c177	1-19	14-35	31-93	44-60					241-340	341-480	4814
3/4	130	50	20	11			i				
9/14	4.	49	14	1	•	2	1				
1 4	3 4 5	194	9.0	42		1.7	15	•	,	1	
1/10	n i		2.3	15	10	•		1			
27.6	1 • 1	126		14	4.2	29	20	10	1	,	
.716	32	32	2:	11	1.6		2	,	1		
	,		•						1		

TABLE 211+ +CE1+356-320 (SE1 +

	CAMPTICA IN AIR 165											
v15181(1**	1-15	15-50	21-45	44+40	61.40	*1-170	121-140	101-140	241-360	361-+65	16:4	
3, 8		•										
2/16	,	,	3									
1/4	11	; 9	•	•								
3/15	10	•	ı		1							
176	2.0	19	11	3	7	,	3	i				
1 11 5	1.5		•		4	1						
	1											

MAKE IV. KEELING ERROL.

VISICILITY	DUPATION IN MINITES										
	1-15	16-30	315	44-EU	41-46	-1-120	121-100	0 15:-340	141-160	36 : - 682	481-
3/8		ı									
5/16		l.									
1/4		3	2								
3/14	2		1	1							
1.7.6	1 ^	•	4		1	ı		1			
1/14	5		•	1							

TABLE V. METLING 100 FECT OF ZEROIL

	DURATION IN MINUTES											
V[5]8]11]7	1-13	16-10	31-45	44-00	41-90	91-120	121-180	141-240	2-1-300	361-460		
3 / 6	•											
5/14	7		3	1								
1/4	35	22	7	3								
3/14	12	,)	3	ı	,						
1/6	3 4	2.4	15	3	•	,	,					
1/16	1.4		11	,		1						

TOTAL TIME AT OR BELOW EACH VISIBILITY CLASSED AS ONE INCIDENT TABLE VI. CIRPESPECTIVE OF CELLINOL.

	DAMATION IN AIRUIES											
VISIBILITY	3 - 1 4	1 . 10	31-45	44-40	41-90	91-120	12:-180	181-240	241-146	361-460		
3/8	142	130	:08	61	102	41	17	36	,,,	11	7	
2/10	120	: 15		65	**	91	74	17	28	10	7	
1/4	108	112	4.6	37	*1	94	65	35	28	•	•	
3/16	77	77	54	15	51	43	3.	2+	15		2	
1.6	6 3	74	52	31	47	94	3.2	21			1	
1/14	21	17	1.0		1.0	*	2	5	1		ı	
0		•	2			1			1			

TOTAL TIME AT OF BEICH EACH VISIBILITY CLASSED AS DRE INCIDENT TABLE VII. ICCICING 100 FEET!

					0.0	POTTAR	IN MINUT	ES			
V15181L1T/	1-15	14-10	31-45	40-40	41-90	91-150	131-160	181-210	24:-140	301-020	-21-
3/6	14	25	23		1 9	11		2	i		
9/16	34	23	23	10	10	11		2	1		
1/4)1	2 0	21	•	17	13	•	2	1		
3/14	31	į 7	15		13	11	1	1	1		
1 / E	77	17	13		12	•	1	ž			
1/14	1 1			1	•	4					

TOTAL TIME AT ON BELOW FACH VISIBILITY CLASSED AS ONE INCIDENT TABLE WITT. (CELLING ZEND),

					ᅇ	41104	IN MINU	LE 2			
VISIBILITY	1-19	10-39	31-49	44-40	41-90	41-150	121-169	181-24C	241-360	361-460	461+
3/6	10			•	4		- 1	t			
5/14	15	7			•	•		?			
1/4	15					•		?			
3/14	13	•	10		•	4		l .			
1/6	15	•	•	,	,	,		ı			
1/10	7		4	2		1					
^		1	,								

TOTAL TIME AT OR BELOW EACH VISIBILITY CLASSED AS ONE INCIDENT TABLE IX, ICEILING 100 FEET OR ZEROL.

					DU	PATION	IN MIRROTI	r s			
V.518:L111	1-13	10-30	31-45	44-60	41-90	41-120	121-160	101-240	241-360	341-486	481+
3/8	3 6	2.0	71	1.6	22	10	•	3	1		
5/16	33	27	22	16	21	18		•	1		
1/4	3 3	24	26	15	20	21	•	3	1		
3/16	3 1	10	1.8	13	15	1 0	4	1	1		
1/8	2 8	17	17		15	15	,	3			
1/10	10	7	10	1		3	1				

ANCHORAGE, INTERNATIONAL

PREQUENCY OF INTERVALS OF DURATION VERSUS CATEGORIES OF VISIBILITIES

TABLE 1. VISIBILITY 2 1/2 HILE WHEN CEILING 4 200 FEET.

DURATION IN MINUTES

1-15 10-30 31-05 46-00 61-90 91-120 121-180 181-240 241-368 361-480 4914

46 35 17 7 5 1 1

TABLE 11. (IRRESPECTIVE OF CEILING).

					DU	RATION	IN HINUT	ES			
VISIBILITY	1-19	14-30	31-45	46-60	61-90	91-120	121-180	181-240	241-340	361-480	481+
3/6	138	50	20	11		1	1				
7/16		49	ĨŶ	2	•	ż	1				
1/4	395	196		42	42	17	19	4	3	ı	
3/16		48	23	15	10			2	_	-	
1/0	141	120	• • • • • • • • • • • • • • • • • • • •	34	42	29	- 20	10	1	1	
1/14	12	117	24	ii	ĺ	Ţ,	2	• •	i	•	

TABLE III. (CEILING 100 FEET).

					DU	MATTEM	IN MINUT	e i		
A18101714A	1-19	14-10	31-45	44-40	41-90	41-170	151-100	101-840	241-266 361-46	. 4810
3/8	•	,								
5/16	,	,	,	ı						
1/4	91	l O	,	•	•					
1/14	10	,	,		Į	,				
1/4	2.0	1.0	1.		7	•	•			
1/10	10	•	•		•	1				
•										

TABLE IV. (CEILI-S ZERO).

							IN MINUT				
VISICILITY	1-15	14-30	31-45	44-40	61-110	-1-120	121-180	181-240	241-360	761-400	481+
3/8	1	1									
5/14		1									
1/4	•	3	2								
3/10			ı	1							
1/6	14	,	•		1	2	1				
1/16	5	4		,	2						
٥	•	1	2								

TABLE V. (CEILING 100 FEET OR ZERO).

							IN MINUT				
VISIBILITY	1-15	10-10	31-45	46-60	41-90	91-120	121-180	181-240	241-360	361-480	481+
3/8	•	4									
5/10	7		3	1							
1/4	35	22	7	3	•						
3/16	12	•	3	3	1	2					
1/8	34	24	15	•	•	7	3	1			
1/16	18		11	3	•	1					
•		i	7	_		-					

TOTAL TIME AT OR BELOW EACH VISIBILITY CLASSED AS DWE INCIDENT TABLE VI. (IRRESPECTIVE OF CETLING).

					DU	RATION	IN MINUT	ES			
VISIBILITY	1-15	14-30	31-45	44-60	41-90	41-150	121-180	101-240	241-260	341 -400	481+
3/8	142	135	100	41	102	61	77	34	33	11	7
5/14	130	130	9.6	40	94	53	74	37	28	10	7
1/4	100	112	94	97	91	54	45)5	20	•	•
3/10	77	77	54	38	51	41	34	24	15	•	ż
1/0	43	74	92	91	42	39)2	21		4	1
1/16	23	17	19	ì	10		2	9	1		Ĺ
	-:			-			-		ž.		-

TOTAL TIME AT OF BELOW EACH VISIBILITY CLASSED AS ONE INCIDENT TABLE VII. (CEILING 100 PEET).

							IN HIRLY				
VISIBILITY	1-19	16-30	31-49	46-60	61-90	41-120	121-180	101-240	241-340 1	141-488	141.
3/8	38	25	2)		10	11	•	2	1		
5/16	36	23	23	10	10	11	•	2	1		
1/4	39	20	21	•	17	13	•	ž	i		
3/16	91	17	i ŝ	•	11	11	1	1	i		
1/6	27	17	13	i	iż		ī	ž	•		
1/14	11	•		1		2	_	_			
	i		-	-							

TOTAL TIME AT OR SELOW EACH VISIBILITY CLASSED AS ONE INCIDENT TABLE VIII. (CEILING ZERO).

							IN HIMUT				
VISIOILITY	1-19	16-30	31-49	44-40	41-90	41-130	121-100	101-240	241-140 3	61-480 481 .	
3/8	10										
9/16	15	7		•	•	•	2				
1/4	15						2				
3/14	13	•	10		•	•	1				
1/6	15	•	•)	•	3	1				
1/16	7	•			1	1					
٥			2								

TOTAL TIME AT OR BELOW EACH VISIBILITY CLASSED AS ONE INCIDENT TABLE IX. (CEILING 100 FEET OR ZERO).

							IN NIMUT				
VISIBILITY	1-15	18+30	31-45	44-40	61-90	41-120	121-100	181-246	241-360	341-488	401+
3/6	36	29	21	10	22	10	•	3	1		
5/10	35	27	22	İ	21	10	•	•	i		
1/4	35	24	20	15	20	21	•	Ď	i		
3/16	31	18	10	13	15	10	•	ī	1		
1/8	20	17	17	•	Ĺ9	19		i	_		
1/16	10	7	10	Ì			1	_			

TABLE X							A	NCHORAGE	. INTERN	ATIONAL							
ALL SEAS	IONS							A	LL HOURS					JANUARY	1056 -	DECEMBE	R 1965
FREQUENCY	0F 0	CCURRE	NCE														
£444£65×								ME IN MI									
CATEGORY	429		141	71	67		121-180	181-240	241-360	361-480	481+	1-90		I-ALL			
HILA	107	142	67	51	55	26 34	27	10	?	•		484	62 79	1019			
1118/6	37	24	26	΄;	19	~~	•;	.,	í	í		117	ii	133			
11 + 111	161	150	114	44	101	60	81	39	3.	12	7	.00	233	633			
111	113	104	72	53	40	53	32	20	11	•	1	407	120	527			
TOTAL TIM	E IN I	-	MATIO	HOURS	S AND 1	TENTHS											
								E IN MI								ERCENTA	6E
CATEGORY							121-180				.481+	1-90	91-ALL	1-ALL		FI-ALL	1-ALL
11					81.0	44.2						401.7	151.9	555.4	• • • •	.17	.63
IIIA	30.1		42.3	49.3		38.6		34.1	22.0			240.5	503.0	444.3	•27	.23	.51
1110/C	7.5	11.2	73.9		23.7	15.6		7.0	***	7.6	•• 4	45.1	43.1	108.2	.07	.03	•13
111 * 111	20.4	41.2	45.4		122.3	103.0	197.0	136.1	145.1	84.2	77.4	342.1	766.0	1108.0 352.4	.39 .24	.87	1.24
	2014	-1102	-,,-	4112	,442	*1	, , , ,		,,,,	1717	744	*****	,,,,,	77504	***	• • • •	
AVERAGE T	IME 11	HOAS I	DURAT!	-	NITES A	IND TENT											
******								IE IN MI									
CATEGORY	1-13					41-150					481.	1-90	91-ALL	1-ALL			
11 181A	10.7	23.2	37.4	53.3	72.6	101.9	142.3	203.4	279.4	372.0		24.0	194.7	35.1			
iiiê/c	12.2	23.0	38.0	33.7	74.6	104.0	149.4	194.7	243.4	398.3		33.4	161.4	47.3			
11 + 111	10.4	22.6	38.2	53.5	72.6	103.0	145.0	209.4	291,4	430.9	445.3	34.2	197.2	79.0			
in	10.0	22.7	37.8	53.4	74.5	103.7	149.1	210.7	291.5	398.3	545.0	33.7	101.9	42.4			

ANCHORAGE, INTERNATIONAL

NO WIND TABLES FOR THIS STATION

TABLE 41	I - A:		DETEONS	i.			HORAGE,								
FREQUENC	Y OF (IC GURRI	ENCF		0700	- 1300	(25571	DESERVA	TIDN HOL	JRS)	JANU	RY 1996	- DECEM	BER 1965	
CATEGORY	1-15	16-30	31-49		91-90	91-120	TE 121-180	ME IN MI 181-240	NUTES	301-460	481+	1-00	91-ALL	1-ALL	
II IIIA	104	• • •	7 49	1.8	24	3			. 1			352	10	342	
110 110	12	14	11	3	ij			i				- 19		• • • • • • • • • • • • • • • • • • • •	
i + 111 11	74			19	36 19		17	10			1		30 29	267 198	
OTAL TIM			•	- •	-	•-	•		•			***	••	***	
ATEGORY							121-180	HE IN HI	NUTES	341-480	451+	1-90	91-ALL	1-ALL	
1 1 1 A	26.0	36.7	30.3	14.1	29.8	7.2	6.5	7,3	4.4		7	139.9	27.7	100.0	
118	2.1	5.9	6.7	*.1 2.7	14.0		12.0	3.0				47.4 21.0	34.3 9.2	100.1	
111	12.6			17.1	43.6		41.2	33.7	32.7	19.4	19.3		140.9	277.3	
1 !	4.9	13.9	12.2	10.0	22.9	31.3	19.4	12.4	5,6	'		*5.*	**.	130.7	
PRAGE T	INE 1	M EACH	DURAT	TON MI	NUTES	AND TEN		48 IN A1	MUTES						
TEGORY	1-15				41-90 74.8				241-360	361-460	481+	1-90	91-ALL 179.5	1-ALL 20.0	
TA TB	10.4	22.9	37.2	94.6	71.9	105.6	144.0	193.5				26.2	120.6	33.3	
iić • 111	10.2		45.0	34.0	72.0		149.3	202.2	280.1	401.0	920.0	14.4	193.0	14.4	
	11.1			54.5	72.4		153.5	140.3	333.0		720.0	32.1	134.1	-91.6	
					1+00	- 2100	(29224	OBSERVA	TION HOU	RS)					
REQUENCY	-	-	-				TI	HE IN HI	NUTES						
TEGDAY	57	54	20	16	10		7	101-240	241-360	301-400	481+	1-90	24	1-4LL 197	
1 A 1 B	20	23	11	4	2	•	•	1		3		77	19	24	
1C + 111))3	31	20	10	10	15	14	,	•	,		120	91	171	
1	22	19	11	7	7	•	•	,	1	,	ı	••	11	87	
TAL TIM	E 1N 1	EACH D	URATIO	HOURS	AND '	TENTHS	•••	ur in mi	M11784						
TEGORY							121-180	181-240	241-340	361-480	+81+	1-90	91-ALL	1-411	
14		20.	14.1	7.1	10.8	19.1	22.0	13.4	20.9	19.4		92.3	45.9 56.4	148.2	
18 10	2.1	2.4	3.0	1.7	2.7							11.6		11.8	
. 111	9.5	11.9	7.0	12.3	10.2	20.0	34.6	17.9	37.3	36,7 19,4	45.3	64.2 32.7	199.7	263.9	
PRAGE T	IME 11		DU8 4 7 1	ON RIN		ND TENT	'HS								
								E IN AIR		341-480	+81+	1-90	91-ALL	1-411	
TA	9.2	22.9	37.2	92.9	70.1	100.9	144.1	201.5	307.3	387.7	40.14	20.0	164,7	45.1	
49	13.0	23.3	44,3	53.0 52.0	12.0	104.7	152.1	223.0		307.7		29.5	1/4.1	27.3	
* III	19.0	22.9	37.9	52.5	68.1	103.9	148.1	214.0	294.6	440.2	679.3	32.1	234.9	34.0	
:	11.4	22.5	38.2	52.9	70.1	101.9	146.6	202.0	279.0	387.7	530.0	29.7	204.7	71.0	
EQUENCY	OF 00	CURREN	•CE		\$500	- 0400	(32677	COSERVAT	TON HOU	15)					
TEGORY	1-15	16-30	31-45	46-80	41-90	91-120	121-180	E IN MIN 181-240	NTES 241-340	361-480	481+	1-90	91-444	1-ALL	
14	117	125	74 25	38	33	19	21 10	;	•			429 191	53	***	
18	Le	12	iż	•	ii	•	ï	ż	į			755	10	45	
.• 111	34	72	35	33	49	32	50	24	19	5	2	243	132	345	
1	45	45	71	24	24	29	15	•	•			169	36	552	
TAL TIME							TIM	E IN #IN	NITES						
TEGORY	1-15	40.1	40.0	33.9	40.0	91-120 32.0	121-180	30 2	241-360	341-480	401+	1-90	128.0	1-ALL 323.6	
IA IB	11.0	29.2	15.9	22.3	13.4	10.3	23.3	24,1	4.2			34.3	79.9	176.0	
ič • 111	٠Z		34,7			55.4	121.3	84,5	93.2	34.1	17.0	101.5	405.4	300.0	
1	8.3	17.9		11.5		49.0	39.4	20.2	19.0	y-11		76.8	133.6	230.4	
ERAGE TI	ME IN	EACH	DURATE	ON HEN	utes A	ND TENT									
TEGORY	1-15	16-30	31-45	40-00	1-93	91-120	121-180	E IN MIN 181-240	24:-360	361-480	481+	1-90	91-ALL	1-ALL	
14	10.4	23.1 24.0	37.8	33.3 53.5	72.7	100.9	141.0	201.0	256.9 257.0			27.6 31.0	145.4	40.5	
! 6 ! C	13.1	22.0	38.3	54.0	73.3	102.7	132.0	204.0	260.0			37.4	244.0	54.8 57.9	
• 111	10.0	22.5				103.0	145.5	211.3	294.2	409.4	510.0	36.8	184.3	86.1	
			•		ALL				IDN HOUR	3)					
EGNEHCA	07 OC	CURREN	CE					i in nin							
TEGORY	1-15	14-30 276	31-45	46-60 I	75	*1-120 : 31	121-100			361-480	481+	1-90	91-ALL 07	1-ALL 1041	
TA	142	130	55	41	42	30	5.5	10	į	j		414	84	482	
18 10	35	33	20	11	10	-	*	,	i i			153	14	197	
• 111	104	100	116	42	101	50 31	91 30	39 15	34	15	7	358	233 104	464	
TAL TIME	IN E	ACH DU	RATION	HOURS	AND T	ENTHS	-								
TEGORY	1-19	14-30	31-45	·	1-90	91-120 I	121-160	! IN MIN \$1-240	241-140	361-480	481+	1-90		3-ALL	
	43.2	105.3	43.1	45.9 34.8	90.6	52.3 52.3	72.7 93.6	30.7 34.7	42.2	19.4		410.3	224.4	642.7 343.2	434
		13.0	18.0	7.1	19.6	13.7	3.0	7,1	4.7			87.9	33.2	102.4	
+ 111	27.9	37.3 30.7	73.9			107.4	197.0	130.1	165.1	84.2 19.4	77.6	342.1	700.0	1100.0	
ľ				37.4 		87,9 	73.1 .a	30.¥	30.0	17.9	*.*	199.4	270.0	445.4	
	-E 14						TIME	IN RIM							
			#1-93 (1-40	1-150	21-100 1 140.7	203.7	261.3	972.0	4814	1-90	91-ALL 194.7	1-ALL 37.0	
re GOR V	1-15	22.7	37.5	53.4	72.7	101.5								-:	
TEGORY IA	10.0 10.*	22.7	37.5 37.6	53.4 53.4 53.5	72.7 73.5 73.5	104.5	140.2	104.4	232.6	367,7		27.0	148.1	45.2	
16	10.0	22.7	37.5 37.6 18.6 43.5 38.2	53.9 53.5 53.5	73.5	102.4	144.2	207.6	232.6		•49,3	27.0	149.8	45.2	

TABLE XI	111 -	TEMPER	ATURE :	C 33 DI	EGREES	(F).	CHURAGE,	INTERNAT	TONAL						
PREQUENC				0			125571			JRS)	JANU	LRY 1996	- DECEM	BER 1965	
				46-60	61-90		121-160		241-360	361-480	481+	1-90		1-ALL	
11 1114	14	• •	7 20	• •	14	• •	, ,	ž		,		362 142	10	310 158	
1110 1116 11 + 111	1.	?	ī	•				1			1	39 3 102		43 3 22 9	
iii	31						• •	:			•	111		140	
OTAL TIP	ME IN	SACH E	URATIO	N HOUR	S AND	TENTHS	721	46 IN HI	MUTES						
ATEGORY J	1-15	29.0	31-45	15.2	41-90 25.7	91-120	121-180		241-360	361-480	481+	1-90		1-ALL 140-2	
11A 118	2.1	16.0	12.4	7.2	14.4	15.0	12.0	3.0		a.		18.7	34.3	20.0	
iič 1 • 111	10.5			10.4				27,3	36.9		19.9	.7	143.3	243.7	
11	8.2		11.7					18.4	5,4		••••	41.3	40.5	121.0	
VERAGE T	TIME I	N EACH	DURAT	ION MI	NuTES	AND TEN		IE IN ALI	NUTES						
ATEGORY I	1-15		37.4	53.7			121-180	181-240	241-360		481+	1-90	91-ALL 104.0	1-ALL 27.1	
1 1 A 1 1 B	10.5	53.0	37.2	94.0	71.3	105.0	144.0	199.5				20.1		35.9	
110	10.2	23.0		54.4	72.8		145.3	204.8	276.8		920.0	14.4	103.0	14.4	
11	11.2	23.)	37.0	54.0	71.9	104.4	152.0	109.3	335.0			12.5	134.5	52.2	
I FOUENCY	0 6	CCJA#E	MC E		1400	- 2100	129224	DESERVA	TION HOU	RS)					
TEGORY	1-15		•-	46-60	•1- • 0	91-120	121-160	# IN MI		361-460	481+	1-90	91-ALL	1-ALL	
14	52 22	46	26 11	17	10				1)		161	18	179	
18 10	1	•	ï	ž	i	•	•	•		•		22	•••	iį	
1 111 1	29 20	76 19	26 11	15	16	14	14	3	1	*	3	112	46 22	198 85	
TAL TIM	-			HGURS	AND	TENTHS	,	_		,	•				
TEGDRY	1-15	14-30		46-60	41-90	*1-120	TIM 121-180	E IN MIN		341-480	481+	1-90	91-ALL	1-ALL	
14	8.1	18.4	10.1	15.1	20.8		14.3	10.3	5,5	19.4		78.4	43.5	122.0	
10	1.9	2.3	3.0	1.7	2.7		J	-•.		3		11.4		11.4	
* 111	1.9	7.1	16.4	13.2	18.0	24.6	34.5	17.9	29.4	29.3	35.9	62.4 31.2	171.5	233.9 104.4	
ERAGE T															
TEGORY								E IN MIN 181-240	NTES 241-360	341-480	491+	1-90	+1-ALL	1-ALL	
14	11.0	23.0	37.2 37.2	53.1 53.0	69.4	101.1	143.0	203.7	327.0	307.7		29.2	149.1	40.9	
1 B	14.5	22.5	44.3	52.0	60.0							31.0 34.0		31.0 34.0	
* 111 1	10.1	22.9	37.9	52.9 52.9	67.3	105.2	147.8	214.8	294.2	438.0	717.7 930.0	33.4	223.7	88.6 73.7	
		- 3		• •		- 0600		OBSERVAT							
EOUENCY	OF DO	CURREN	IC E			*		E IN MIN							
TEGORY	1-15	16-30	31-45	30	61-90 27	91-120	121-160	181-240	241-360	341-480	401+	1-90	91-ALL	1-ALL 391	
IA IB	45 12	10	10	17	18 10	14	# 1	•	1			193	2	182	
1C • 111	39	1 55	1	26	39	28	39	19	10	,	2	203	107	312	
1	34	35	28	16	22	29	10	7	•			135	46	181	
TAL TIME	E IM E	ACH DU	MATION	HOURS	AND T	ENTHS	TIM	E IN HIN	UTES						
TEGBRY	1-15	16-30 37.4	30.1	20.8	1-40 33.0	91-120 33.7	121-180	141-240 23.5	241-340	361-480	401+	1-90	91-ALL 107.8	1-ALL 260.1	
1 A 1 B	2.4	19.6	15.2	15.3	22.0	24.5	10.2	21.3	4,2			80.5	20.2	144.0	
• 111	7.0	20:3	27.8	23.2	48.0	48.5	95.9	47,5	79.2	34.1	17.0	127.3	340.0	467.3	
ľ	4.2	14.1	17.5	14.5	27.3	49.2	23.4	24,7	19.8			79.6	111.1	190.7	
PRAGE TI					-	_	TIM	I IN AIN	UTES						
re GORY	1-19	16-30 22.7	31-45	\$3.5	1-90 73.3	101.1	121-100	201.7	241-760	341-480	481+	1-90	91-ALL 140.7	1-ALL 40.8	
	15.8	23.9	39.)	55.2	75.2	104.8	130.1	219.0	292.0			30.1	140.8	40.1 96.1	
• 111	12.0	21.5	42.0	53.5	79.1	103.4	144,5	217.1	200.0	409.4	\$10,0	21.0	200.0	62.9 69.9	
	11.0	24.2	37.5	54.)	74,4	103.4	140.7	211.7	296.0		••	15.4	144.0	43.2	
-	OF DC	CURREN	C F		466			90 S 8 R VAT		5)					
EGORY	1-15	16-30	31-45		1-90	91-120	121-180 1		JTES 141-160	541-400	481+		91-ALL	1-ALL	
I A	120	116	33	71	31	30 28	29 29	13	1	•		340	72 61	421	
	32	29	23	16	19	•	1	3	.1	_	_	109	12	757	
Ċ	130	121 87	100	5 9 33	87 46	59 47	70 24	32	30	,	i	497 311	202 202	400	
÷ 111	87		-	HQUR S	AND T	ENTHS	.								
† 111 1	87	ACH DU			1-90	91-120	121-100 1		41-360	341-460	401+	1-90	91-4LL	1-ALL	
t + 111 - - 	87 : IN E 1-19	14-30	31-45	14-00			50.0	41.2 31.5	22.7	19.4		394.9 173.1	173.5	920.2 929.0	35.
C III AL TIME CEGORY A	97 IN E 1-19 53.9 21.9	16-30 85.4 46.4	79.2 33.2	37.0 27.8	79.5	50.4 49.1	**.*	-1							
ić + III ! PAL TIME PEGORY IA IB	1-19 39.9 21.9	16-30 85.4 46.4 11.7	79.2 33.2 15.0	97.0 27.8 9.0	16.1	10.0	9.0	٠.٠	4.7			2.6	27.3	1.3	
ic + 111 TAL TIME TEGORY IS	1-19 59.0 21.0 6.6	16-30 85.4 46.4 11.7	79.2 33.2 15.0	97.0 27.8 9.0 92.0	18.1	49.1 10.0 95.4		112.7	4.4 149.4 30.0	63.4 19.4	6.0 6.0		29.5	91.5	
14 18 1C • 111	1-19 53.7 21.9 6.6 .6 22.4 16.3	16-30 85.4 46.4 11.7 45.8 34.1	79.2 33.2 15.0 1.5 63.7 36.2	97.0 27.8 9.0 92.8 29.6	105.6	49.1 10.0 95.4 61.2	9.0 169.6 9 38.0	112.7 47.4	147.4	63.4 19.4		210.3	27.5 454.4	91.3 3.2 949.1	
ic ting the ting ting ting ting ting ting ting ting	1-19 59.9 21.9 6.6 22.4 16.3	16-30 85.4 46.4 11.7 45.8 34.1 EACH	79.2 33.2 15.0 1.5 63.7 36.2 DURATIO	97.0 27.8 9.0 92.0 29.6 30 minu	18.1 105.6 35.8 UTES A	49.1 10.0 95.4 61.2 NO TENT	9.0 169.6 • 38.0 *S 7786 121-100 1	112.7 47.4 11 MIN. 81-840 1	145.4 30.0 30.0	19.4		2.6 290.3 172.1	27.5 4.4 654.8 244.7	91.9 9.2 949.1 416.9	
TAL TIME PEGGRY IA IB IC	87 1-13 59.0 21.0 6.6 22.4 16.3 MR IN 1-15 9.9 10.9	16-30 85.4 40.4 11.7 45.8 34.1 EACH 16-30 22.7 23.6	79.2 33.2 13.0 1.5 63.7 36.2 DURATI(31-45 4 37.7 37.6	57.0 27.8 9.0 52.8 29.6 (N MIM) 6-60 (53.5 53.7	18.1 105.6 99.8 UTES A 1-90 72.2 73.3	49.1 10.0 95.4 61.2 NO TENTO	9.0 109.6 0 98.0 *S 7 7 MB 121-100 1 141.1 149.1	112.7 47.4 11.8 11.8 11.8 11.8 11.8 11.8 11.8 11	149.4 30.0 30.0 1785 141-346 272.8 292.0	19.4	•,•	2.6 290.3 172.1 1-90 26.4 29.2	27.5 0.4 050.8 200.7 91-411 100.4	91.9 9.2 949.1 410.9	
IC 111 TAL TIME PEGGRY IA 18 IC 111 IRAGE TI PEGGRY	1-19 53.7 21.9 6.6 22.4 16.3 Mg IM 1-15 9.9	16-30 85.4 46.4 11.7 45.8 34.1 EACH 16-30 22.7 23.6 24.5	79.2 33.2 13.0 1.5 63.7 36.2 DURATI(31-45 4 37.7 37.6	97.0 27.8 9.0 52.8 29.6 M H1M 6-60 (93.9 53.7	18.1 105.6 99.8 TES A 1-90 72.2 73.3 78.5	49.1 10.0 95.4 61.2 NO TENTO 91-120 101.3 105.1 90.7	9.0 169.6 0 98.0 *S 77M8 121-100 1	112.7 47.4 20 MING 11-240 1 209.0	149.4 30.0 30.0 1785 141-346 272.8	19.4 141-480	•,•	2.6 290.3 172.1 1-90 20.4	27.5 650.8 200.7	91.9 9.2 949.1 416.9	

- 31 -

	Y 0F 0	CCURRI	NCE		0780	- 1300		ME IN HI			Jany.		- OFCEM	DER 1965	
CATEGORY II IIIA IIIB	1-15 119 47		34	12	15	10	121-180	101-240	241-360		481+	1-90 246 127 33	16	1-ALL 292 143 37	
1116		32	2 0	14	20	12	13	•	•		1	. 146	10	184	
111	29	34			15		•	•	1			102	24	126	
TOTAL TIP CATEGORY								ME IN MI		101-400	481+	1-90	TI-ALL	1-ALL	
F1	18.1	24.3	22.4	10.7	18.4	3.7	2.3	7.3	4.6	30,4400	40,0	*3.*	17.9	111.6	
IIIA IIIB	1.3	17.7	4.1	2.7				3,0				10.0	4.1	34.7	
111¢ 11 + 111 111	7.5	12.		12.9				20.0	28.5		19,1	.0 63.1 53.6	117.5	200.	
		13.1						12.0	5.4			31.0	77.0	111.2	
AVERAGE T Category							711	MB (N M1	NUTES	341-440	401+	1-90	91-ALL		
11	9.1	22.4	37.4	53.4	73.7	111.0	137.0	220.0	241-360	301-400	4014	22.9	179.3	20.0	
111A 1110	10.5	23.1	34.7	53.3			146,3	193.5				30.2	121.0	40.0	
111¢ 11 • 111	9.7	23.6	39.3	59.1		104.7	191.2	200.0	284.9		920.0		105.5	16.3	
111	10.0	23.1	36.3	73.3		104.1	148,3	169.3	339.0			31.5	132.6	92.1	
FREQUENCY	OF D0	CURRE	NCE		1400	- 2100			FION HOUS	153					
CATEGORY							121-160		241-360	361-480	481+	1-90		1-ALL	
11	33	10	21	17	10	5	7	3		1		131	17 16	148	
1116 1116	1	•	i	2					9	,	_	**		22	
111 • 111	10	19	20	15	17	14	16	3	i	3	3	** **	47 20	136 79	
TOTAL TIM	E IM E	ACH D	10174FL	4 HOURS	S AND 1	TENTHS		48 IN NS	41785						
ATEGORY	1-15	16-30	31-45		#1-90 18.8					341-480	481+	1-90	91-ALL 38.5	1-ALL 107.4	
IIIA	3.9	.,	5.5	7.0	12.3	4.9	17.4	3.7		19.4		34.9	49.4	84.3	
1116	1.9	2.3	3.0	1.7	2.7 19.8				24.8	21.9	34.5	11.4 1.1 50.8	167.1	11.4 1.1 223.9	
111 • [11	2.6 3.6	3.6	3.0	6.2		24.2	40.2 14.1	21.9 10.1	4.4	19.4	71.1	31.9	40.7	100.0	
VERAGE T	IME IN	EACH	DURAT	-	+u125 I	AND TEN									
	1-15		31-45	46-60	61-90	91-120	121-100	18 IN HII 181-240	241-360	361-483	481+	1-90		1-ALL	
IIA		22.5		92.8		101.0 106.8	145.1	194.0		387.7		31.3	135.9	43.3	
116	15.0	22.5	44.3	52.0	•0.0							31.0		31.0	
111	11.3	22.0	38.7 37.6	52.6 52.9	73.1	101.3	150.7	718.5 202.0	297.4 279.0	430.7 387.7	\$\$7.3 530.0	38.3 32.4	213.3	76.4	
					\$500	- 0600	132877	DESERVAT	ION HOUR	5)					
REQUENCY			-		A1 :: BA	81-126		E IN HI	UTES 241-360	341-480	481+	1-90	91-ALL	1-ALL	
1	110	91	47	28	22	1.0	13	•	341-380	301-100	7010	298	40	330	
IIIA IIIB	10	10	11	16	19	13	í	į	i			144	23	100	
116	35	59	42	23	30	20	36	19	12	3	2	104	100	234	
	30	33	29	15	20	24	•	,	•			127	42	149	
OTAL TIME							TIM	E IN HIN	UTES						
1	19.9	34.6	30.2	24.7	27.1	31.4	31.7	20.2	241-340	361-460	481+	136.6	91-ALL	1-ALL	
11A 718	8.2 2.1	19.0	7.2	3.7	12.0	22.4	10.2	14.2	4.7			74.5	97.3 19.9	130.5	
11C 117		20:	20:7	20.3	37.9	46.3	66.1	•7·1	•1:	19.3	17,0	111:3	200:0	10.	
-							21.1	17.3	19.0			75.\$	1.00	173.0	
VERAGE TI ATEGORY			-		_		728	# !N #!H	UTES	141-44n	481+	1-90	91-ALL	1-444	
IIA	10.0	32.0	31.6	93.0	74.0	100.7	144.1	201.8	259.5			27.3	130.0	10.6	
110	12.0	23.9	39.1	33,6	71.7	99.3	132.0	193.0	200.0			31.0 30.8 21.0	137.4 148.9 244.0	97.0 62.3	
1 + 111	11.0	22.4	76.1	52.9	75.7 74.2	103.3	149.4	211.0	304.0	300.7	\$10.0	36.3	179.4	96.7 98.1	
				• •	466				ION HOUR	5)			11		
RFOUENCY						_	TIM	E 1H MIN	UTES						
I	202	199	104	57	33	24	21	11	241-360		+81+	673	91-ALL 63	1-4LL 738	
ITA IT 6	110	110 26	23	38	35 15	27	16	7	1	,		105	18	307 116	
116	23	109	•0	92	73	34	65	33	2	•	•	*11	183	904 904	
	78	62 .cm 80	53 ******	91 Manage	44	45	21	12	•	,	1	548	••	374	
11	IN EA						fini	I IN RIN	UTES	NA 1 - 4 4 4	48-				
11 Otal Tip e	1-18 -	70 4	45.7	50.4	84.3	47.4	50.9	37.3	13.3		481.,	299.3	91-ALL 148.8	1-4LL 448.1	44
II OTAL TIME ATEGORY I	43.3			67.5	43.0	47.4	1.2	7.5	4.2	19,4		57.6	27.9	296.0	
II OTAL TIME ATEGURY I IIA IIO	43.3 20.2 5.0	43.2	14.9	•.1	16.1				4.4			2.)		4.9	
TEGORY ITA ITA ITB ITC I + ITI	43.3 20.2 3.0 .3	43.2 11.2	1.3	44,3	89.6	93.9	159.0	100.9	114.4	40.9	44.5	291.4	101.3	854.9	
IT OTAL TIME ATEGURY I IA IIA IIC I + III II	20.2 3.0 .5 16.4	43.2 11.2 41.2 93.0	1.3 57.9 33.0	40.3 27.7	89.6 53.9	?3.9	50.1	100.9	114.4 6 0.0	19.4	4;	291.4	903.3 123.6	340.0	
1! OTAL TIME ATEGORY ITA ITA ITB ITC IT + 11I IT	43.3 20.2 3.6 .5 16.4 14.5	43.2 11.2 41.2 92.0 EACH	14.9 1.3 57.9 33.0 DURATI	0.1 40.3 27.7 34 HIM	89.6 53.7 JTES AI	93.3 77.6 40 FENTI	90,1 (5	40.0	114.4 6 0.0	19.4	•.•	291.4	903.5 225.6	310.0	
1! OTAL TIME ATEGORY I IIA IIB IIC I + III II VERAGE TI	43.3 20.2 3.6 .5 16.4 14.5 ME IN	43.2 11.2 41.2 32.0 EACH	14.9 1.3 57.9 33.0 Durati	0.1 40.3 27.7 34 H1M	89.6 52.9 JTES AI	93.9 77.6 40 FEWTI	90.1 (5 Time (21-100 1 103.3	40.0 ! !N M!N! !!-240 ! 203.5	114.4 6 0.0 1783 141-360 1 265.3	17.4		1-90	903.5 225.6 91-ALL 141.7	390.9 390.0	
II OTAL TIME ATEGORY I IIA IIA IIC I + III II VERAGE TI ATEGORY III	43.3 20.2 5.6 .3 16.4 14.9 ME IN 1-15 1 9.9 11.0	43.2 11.2 .4 41.2 32.0 EACH 4-90 22.7 23.6 23.9	14.9 1.3 97.9 33.0 puratii 31-45 38.0 37.4	0.1 40.3 27.7 34 H1M	89.6 53.9 UTES AI 1-90 1 72.8 73.7	93.9 77.6 40 FEWTI 91-120 : 101.9 103.3	90,1 (5 TIME 121-100 1	40.0 ! IN MINI ! 81-240 !	114.4 6 0.0 17 8 3 141-340 1	19.4	•.•	291.4 161.0	903.5 225.6 91-ALL	390.9 380.0	

TABLE RY	- TEMPERA) DEGREE	ANG 5 (F), WITH 0700 - 1300	1 FOG, NO P	ITERNATIONAL PRECIPITATION, AND W BSSERVATION HOURS;			- DECEM	BER 1965	
CATEGORY						IN MINUTES 81-240 241-360 361-	480 481+	1-96	91-ALL	1-411	
11 1114	1	1	70-00	,,, ,1-16.		141-140 141-140 141-	400		•	1	
1116 111C	•									-	
111 - 111	,	1						•	•	•	
TOTAL TIME	IN EACH	DURATIO	M HOURS	AND TENTHS							
CATEGORY			40-00 0	1-90 91-120		IN HINUTES 81-840 241-360 36}-	480 481+	1-90	91-ALL	1-ALL	
1114	.1 .	,						.1		::	
1116	., ,									.6	
111 • 111	•• •	,									
AVERAGE T	ME IN EAC	H DURAT	ION MINU	TES AND TEN	THS TIME	IN MINUTES					
CATEGORY 11	1-15 16-3 5.7 18.		44-40 4	1-40 41-120		01-240 241-360 361-	480 481+	1-90	91-ALL	1-ALL B.B	
IIIA IIIA	7.0							7.0		7.0	
1116	5.7 10.	0						1.1			
111											
FREQUENCY	OF DCCURR	ENCF	1	1400 - 2108	_	SERVATION HOURE)					
CATEGORY 11	1-15 16-3	0 31-45	46-60 6	1-90 91-120		IN HIMUTES 11-240 241-360 361-4	40 401+	1-90	91-ALL	1-ALL	
111A	i							i		i	
1116	1							1		1	
111	-									-	
TOTAL TIME					TIME	IN HINUTES					
11	.1	0 31-45	44-46 61	0 -1-120	121-100 10	11-240 241-360 361-4	·80 461+	1-90	91-ALL	1-ALL	
IIIA IIIO	•1							•1		•1	
1116	-1							•1		•1	
	MS IN SAC	# DURATI	tam Minus	'ES AND TENT	ruc						
					TIME	IN MINUTES 11-240 241-340 341-4	481+	1-90	91-ALL	1-ALL	
11 111A	5.0						_	5.0		3.0	
1118 1176											
111 • 111	5.0							5.0		5.6	
			8	200 - 0400	(32877 06	SERVATION HOURS)					
FREQUENCY (44-40 41		71ME	IN HINUTES 1-240 241-340 341-4	80 481+	1-90	91-ALL	1-ALL	
II IIIA	1	1	40-00 0.		111-100 10	1-140 141-340 351-4		2	71	1	
1118								-		•	
11 • 111 111	1	1						1		3	
TOTAL TIME	IN EACH C	URATION	HOURS A	NO TENTHS							
CATEGORY 1		31-45	40-00 61	-90 91-120	121-180 18	IN RIMUTES 1-240 241-360 361-4	40 401+	1-90	91-4LL	1-ALL	
II IIIA IIIO	:1	.5						::		::	
iiië	•1										
iii ····		••						••		••	
	-			ES AND TENT	TIME	IN RIMUTES					
11	7.0	31-45 31.0	46-00 61	-90 91-120	121-100 10	1-240 241-360 361-4	80 481+	19.0	41-WF	1-ALL 19.0	
111A 1119	7.0							7.0		7.0	
1116	7.0	31.0						19.0		19.0	
•••					(8747# #A	SERVATION HOURS?					
FREQUENCY C	of DCCURRE	NCE	•	••		SERVATION MOUNS? IN MINUTES					
11	1-13 10-30		44-40 41	-90 91-120		1-840 241-360 361-4	40 481+	1-90	91-4LL	1-44	
111A 1110	i	-						1		1	
1116	9 1	. 1						,		7	
111											
TOTAL TIME	-					IN MINUTES 1-240 241-360 361-4	00 481-	1-90	91-4LL	1-444	
II IIIA	.5 .3			71-140				1.3	*1-46	1.5	1.20
1116	••							•1		•1	
iii. 111	.5 .1							1.3		1.3	
AVERAGE TIP	E IN EACH	DURATE	OM MINUT	ES AND TENT	45						
CATEGORY 1	-15 16-30	31-45			TIME !	[4 RINUT 23 1-240 241-34 0 3 61-46	00 481+	1-90	91-ALL	1-ALL	
1114	5.8 18.0 6.0	31.0	,					11.1		11.1	
1116 1116 11 • 111	j.8 18.0	11-A									
111		-11 V						11.1		11.1	

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				29 DEG	### 0700	F).	HDMAGE, (25971			RS)	AUMAL	RY 1994	- DECEM	BER 1965	
REQUENC							T1	ne in mi	MUTES						
ATEGORY I	140	74	34		15	. 2	121-160	181-240	241-740	361-460	461+	1-90	7	1-4LL 203	
I I A	50		20) 7	•	•	•	1				132	18	147	
110	Z		i		_	_		_		ı		3	_	3	
+ 	39 32	40 33					17	•	1	1	1	164	44 24	208 132	
TAL TIN	E 1N	EACH D	URATID	N HOUR	9 440	TENTHS									
							771	TH MI	NUTES	361-480	461+	1-90	91-ALL	1-411	
	22.1	27.0	21.2	11.6	18.1	3,5	4.9	3.9	4.6		40.0	100.5	10.5	119.0	
IA IO	2.1	17.7	12.4				12.0	3.0				54.3 17.7	32.5 7.5	85.2 25.2	
10	.2	15.3	10.9	_				17.3			19.3	84.5	129.9	214.4	
1, ,,,		12.6	11.7			22.6 24.4	41.2 12.7	12.6			47.7	56.1	33.3	111.4	
ERAGE T	INE 11	. EACH	DURAT	ION MI	NUTES	AND TEN	7+5								
TEGORY	1-19	14-30	31-45	****	A1-90	81-126		E IN MI		301-480	481+	1-90	91-ALL	1-ALL	
	7.3	22.3	37.4	93.5	72.3	104.0	130.7	227.0	277.0	361-460	4014	21.0	198.0	29.2	
1 A	10.4	73.0 23.2	37.2 33.9	53.4 53.3			107.0	193.5				24.7	120.0	34.8 76.7	
16	10.4	22.0	19.0	25.1	71.0	104.4	149.8	104,6	101.0		920.0	14.4	177+8	1::	
1	11.7	15.5	17.0	14,0	71,	104,8	iiiiii	100,3	111,0		74010	51.2	190.1	10.0	
					1000	. 2100	(20224	0444844	7104 HQU	86)					
BOUENEY	OF 00	CURRE	HEF		1179	- 6100									
TEGDAY	1-15	14-30	31-45				121-100		241-140	341-480	401+	1-90	91-ALL	1-411	
1A	49	47	25	14				1		•		146	10	142	
18		**	•	ź	į	•	•			,		22		22	
•	27	25	24	13	14	12	14	•	,	4	,	103	44	147	
1	20	16	11	•	•	4	•	3	i	,	i	50	21	79	
TAL TEM	6 IN 6	ACH D	JRATIO	-	S AND	TENTHS									
TEGORY	1-15	14-30	31-45				121-180	€ [# #]! 161-240	MUTES 241-340	301-400	481+	1-40	91-ALL	1-ALL	
I A	7.0	18.0	15.0		17.4			6.7 3.7	5.5	19,4		70.4	38.1	108.5	
18	2.0	2.5	1.0	1.7	2.7	10.9	20.9	***		14.4		11.4	> 3. 4	11.4	
• 111	4.7	9.5	15.3	11.5	15.7	20.9	34.4	21.0	24.0	19.3	35.9	76.0	100.7	222.9	
t	1.1	9,9	7.0	5.4	0.0	0.0	22.0	10.1	4,6	19,4	1,1	20.1	71.7	99.8	
RAGE T	146 IX	BACH	DURATI	104 ×11	WTES :	TE41	THS								
PESORY	1-15	14-10	11-45	44-40	41-90	91-120	121-180	E IN MI	1UTES	341-440	481+	1-90	91-ALL	1-ALL	
	7.4	23.0	37.4	53.4	69.5	99.7	148.0	200.0	327.0		40.0	28.9	142.7	40.2	
IA IB	10.7	23.2	37.1	53.7 52.0	73.8	104.7	152.3	223.0		387.7		29.1	179.6	41.5 31.1	
C	15.0		43.5									34.0		34.0	
• 111	10.4	22.8	30.1	52.9 53.5		104.7	147.4	210.3	297.4	438.8	717.7 530.0	33.0	224.8	*1.0 75.0	
					2200	- 0400	/ 33877	A2 6 6 9 4 1	TION HOU	161					
QUENCY	OF 00	CURRE	IC F		****	- 5000				•• /					
PEGDAY	1-15	14-10	31-45	46-60	61-90	91-120	121-180	# IN MIR 181-240		361-480	401+	1-90	91-ALL	1-ALL	
14	123	**	56 24	28 17	22 17	17	14	3	2			324 148	34	362 176	
19	12		•	3	10	- 4	ĭ	ž	i			45		33	
• 111	39	54	+0	22	35	24	36	19	13	•	1	100	**	284	
ı	33	33	26	15	\$1	23	10	7	•			130	44	174	
AL TIME	I IN E	ACH DL	RATION	HOURS	AND T	ENTHS									
FECERY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	E IN #1x 181-240	241-360	341-480	481+	1-90	91-ALL	1-ALL	
A	21.0	36.0	35.7	15.3	24.5	28.7	33.3	21.3	4.2			144.0	86.7	231.7	
•	2.0	3.4	3.9	4.4	12.0	1,6	1.1	***	4.7			28.0	20.2 24.0	141.7	
¢ 111	•:3	20:0	29.4	19.5	43.4	41.4	86.3	66.9	45.3	34.1	1,5	114.4	302.7	4.7	
	4.0	13.2	17.9	13.7	26.2	37.6	23,4	24,7	19.0			70.0	107.5	104.1	
RAGE T	IME IM	EACH	DURATE	OH HIM	WTES 4	NO TENT									
PEGGRY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	E [# M[M 181-240	UTES 241-340	361-480	481+	1-90	91-ALL	1-ALL	
A	10.4	22.7	38.2	33.3	72.2	101.1	142.5	190.4	235.0			20.0	237.3	30.4	
•	12.0	24.1	39.6	55.2	71.7	703.0	130.1	213.0 204.6	252.0			31.7 30.4	191.5	48.3 56.5	
• 111	12.0	23.0	42.0	53.2		103.4	143.0	211.2	302.3	407.6	911.0	22.3 37.0	266.0	71.0	
••••	10.9	24.0	37.5	34.0	75.0	103.3	140.3	211.7	294.6	-4114		35.4	146.6	43.5	
					ALL		187672	DESERVAT	-	181					
OUENCY	OF DC	CURREN	Ç E		-			E IN AIN	-						
	1-19	16-30	31-45	46-60	61-90		121-180	181-240	241-240	341-480	481+	1-90	91-ALL	1-ALL	
	114	216	115	55 30	92 90	26 26	29 20	ţ	i	3		746 338	\$1 50	807 397	
	32	26	22	10	14	•	i	3	į	_		100	ij	117	
+ 111	121	119	ŤŎ	51	72	49	67	33	23	•	,	453	100	•,;	
	63	82	50	71	40	41	24	14	•	3	ı	296	89	345	
	E IN E	ACM DU	RATION	HOURS	AND T	ENTHS	***		.,						
	1-19	10-30	31-45	46-60	61-90	+1-120	121-100		241-360	341-480	401+	1-90	91-ALL	1-ALL	
AL TIME	60.6	81.4	72.4	27.1	A1 8	43.8	94.1 40.4	27.1 31.5	10.4	19.4		315.7 101.0	149.5	450.2 307.1	43
AL TIME	20.4	11.3	14.4	*.0	17.1	77.7	3.0	****	4.7	4-14		30.4	27.7	87.7	
PAL TIME PEGORY IA	20.6	44.8	97.5	45.7	84.4	84.9	141.0	115.2	113.6	43.4	59,7	235.6	396.7	3.3 634.3	
AL TIME	20.6	44.5	30.2	20.1	**.*	70.8	58.0	47.4	30.0	19.4	1.0	140.7	234.4	395.3	
AL TIME	20.6	31.7					u š								
PAL TIME PEGORY IS IC - III	20.6	31.9	DURATI	-	U163 4	70 1871									
A IS IC + III PRAGE TI	20.6 6.7 .6 21.0 15.6 ME IN	31.7 HACH 14-30	31-45	44-46	41-90	91-120	7 [M	EN RIM	UTES 241-360 :	361-480	401+	1-90	91-41 L	leat:	
PAL TIME PEGGRY IA IS IC IC IC IC IC IC IC IC IC IC IC IC IC	20.6 6.7 .6 21.0 15.6 ME IN	31.7 HACH 14-30	31-45	44-46	41-90	91-120	7[M 121-180 141-1	181-240 : 203-1	241-360 1 278.5		401+	25.4	91-4LL 141-1	1-4LL 34-1	
EGGRY RAGE TS EGGRY A B C TRAGE TS	20.6 0.7 21.0 15.6 IME IM 1-15 9.9 10.8 12.5	31.9 EACH 10-30 22.7 23.6 24.3	31-45 37.0 37.0 37.0	44-46	41-90	-	7[M 121-180	181-240	241-940 1 270.5 252.0 280.0	367.7	461+	23.4 28.6 33.0	141.1		
PAL TIME PEGORY IS IC + III PRAGE TI PEGORY	20.6 6.7 21.0 15.8 ME IN 1-15 7.9 10.8	31.9 EACH 10-30 22.7 23.6 24.3 23.0	31-45 37.0 37.0 37.0 43.5	44-46	61-90 71.4 74.0 73.1	91-120 101.0 104.5 99.0	7 m 121-180 1 141-1 145-1	203.1 209.8	241-360 278.5 252.0		481+ 710.8	25.4	141.1	34.1 46.4	

	TABLE X	/11 - 1	TEMPER!	TURE 4	29 DE		(F), WI	TH FOG,		PITATION	AND WIN					
	FREQUENC	Y OF C	CCURRE	NCE		0700	- 1300	(25571			45)	JANUA	RY 1 756	- DECEM	1965	
	CATEGORY II IIIA	114	45	32 17	10	11	. 2	121-180	1		361-480	481+	1-90 293 119	13	1-ALL 238 134	
	1116 1116 11 • 111	45		1		_	_					1	32 3 136	3 34	39 174	
	ii.	29				20 11	14	13	:	ī		•	***	ភ	ižī	
	TOTAL TI	ME IN	EACH D	URATIO	N HOUR	S AND	TENTHS	•••	R IN MI	w T. C. C						
	CATEGORY II IIIA	17.8	24.2 17.4	20.1	4.4	13.4	3.7 16.0	121-180	181-240 3.9 4.5	241-360	361-480	4814	1-90 84.3 47.1	91-ALL 14.5 52.4	1-ALL 96.8 76.1	
	1116	1.3		17.1	2.7 13.0	2.4	3.3 20.9	32.0	3.0 20.0	10.4		15.3	15.5	108.4	103.4	
,	111	5.2	13.1	9.1	•.0	13.3	24.2	•.•	12.4	5.4			48.7	32.3	101.0	
	AVERAGE '							710	E IN MI	WTES						
	CATEGORY 11 111A 111B 111C		22.7	31-45 37.6 37.1 34.7 45.0	33.0	61-90 73.2 69.1 73.0	111.0	121-180 137.0 148.3	233.0 193.5 182.0	277.0	361-460	481+	1-90 21.7 23.7 29.1 16.3	71-ALL 173.8 129.5 127.0	1-ALL 24.0 34.0 37.5 14.3	
	111 111	10.8	23.6	39.5	55.5 53.3	73.7		151.2	200.0	290.8 335.0		920.0	32.4	180.7	43.2 50.1	
	****					1400	- 2100	(27224	065ERVA	110H HQU	(\$)					
	FREQUENCY		-	-				71F	E IN HI	UTES	941-499	4814	1-00	61 411	3-411	
	CATEGORY 11 111A 1118	28 20	16-30 17	20	14 7 2	14 0 2	7 5	121-180	3	141-160	3	451+	1-90 120 91	91-ALL 10 10	1-ALL 196 77 28	
	111¢ 111 + 111	13	24	1	13	10	13	15	7	:	3	1	2 34 54	45 17	129	
	TOTAL TIP		•	•	-	T CHA	-	•	•	•	•	•		••		
	CATEGORY							714 121-180	# IN MIP	UTES 241-340	341-480	481+	1-90	91-ALL	1-ALL	
	II IIIA	4.4	16.5	12.0	12.4	16.5	11.8	14.3	9,1		19.4	****	42.4 30.9	35.9	18.3	
	1118	2.0	2.3	5.5 3.0 .7	1.7	2.7	***	.,,4	•••		••••		11.4	4.,4	11.4	
	1116	2.3 3.4	8.9 5.1	11.0	11.4	10.0	22.5	37.9 19.1	29.0 10.1	20.2	21.5	34.5	92.9 29.6	141.1	214.0 76.7	
	AVERAGE T								•		•					
	CATEGORY		16-30	31-45	46-60	61-90	91-120	121-100	E IN MIR 181-240	NTFS 241-340	361-480	401+	1-90	91-ALL	1-ALL	
	II IIIA	9.5	22.5	37.9	53.0	70.9	101.0	149.0	194.0		307.7		31.2 30.4	185.3	43.4	
	1118 1110	15.0	22.5	43.5	92.0	00.0	140 0	***	***	302.3	430.7		31.1 34.0 37.8	214.0	31.1 34.0 99.5	
	111 • 111	10.7	22.2	30.0	32.3	70.4	107.7	149.1	201.0	279.0	367.7	930.0	51.7	111.7	77.3	
	PARAURNEY	00 00	CURREN	e e		\$500	- 0408	132077	0 6 \$ 6 RYAT	TON HOUR	\$1					
	P RFEUBNC Y CATEBORY		-	-	44-40			TIM	E IN MIN	W785		461+	1-90	01-ALL	1-4LL	
	CA7660RY	1-15	14-10	\$1-4\$ \$2	17	01-00 10	*1-120 10 12	121-180 11		W785		481+	150	- 1		
	CA786ORY	1-15 100 40 10	16-10 87 43	\$1-4\$ +3 24 10	17	01-00 10 10	*1-120 10 12	7!# 121-180 11 7	E IN ATH	W785	361-46 0		154	- 11		
	CA7860RY	1-15	14-10	\$1-4\$ •3 **	17	01-00 10	*1-120 10 12	121-180 11		UT#5 #41-960		481+				
	CATEGORY 11 111A 1110 111C 11 • 111	1-15 100 40 10 1	14-10 87 43 9 1 52 30	\$1-4\$ 43 24 10 1 24 29	21 15	01-00 10 10 10 27	91-120 10 12 4 24 22	T	E IN MEN 181-240 6 8	U765 E41-700	361-46 0		201 190 43 3	11	\$1\$ \$61 10 10 29	
	CATEGORY 11 1116 1116 1111 1111 TOTAL TIM CATEGORY	1-15 100 40 10 10 22 26 28	14-10 87 43 4 1 52 30 4CH DU	\$1-4\$ 43 24 10 1 36 29 RATION	97 17 4 21 19 HOURS	01-00 18 10 10 27 19 4ND T	91-126 10 12 12 24 22 ENTHS 91-120	TIM 181-180 11 7 1 39 7	E IN MIN 181-240	UT#5	761-460 3		190 190 170 121	98 94 9 40	319 08 91 09 299 101	
	CATEGORY II III IIII IIII IIII TOTAL TIM CATEGORY IIIIIII	1-15 100 10 10 1 22 28 28 1-19 10.0 7.6	14-30 87 9 1 52 30 ACH DU 14-30 33.2 17.4	\$1-45 43 20 10 1 36 29 RATION 31-45 27.7 15.3	87 17 4 21 15 HOURS 46-60 23.7 15.3	61=90 18 18 27 19 AND T 61=90 22.0	PI-120 18 4 24 22 ENTHS 91-120 27.1 20.6	7;n 181-180 11 7 1 1 29 9 7;m 121-180 27.0 10.2	E IN MIN 181-240 4 4 8 19 9 E IN MIN 181-240 19.2	UT#5 241-960 1 1 1 1 1 1 1 1 1 1 1 2 4 241-360 4.5 4.2	761-460 3	1	190 43 170 121 1-90 125.6 72.9	98 94 81 40 40 40 71-ALL 71-7 39-3	319 62 91 4 299 101 101 107.3 120.0	
	CATEGORY 11 11 11 11 11 11 11 TOTAL TIM CATEGORY 11 11 11 11 11 11 11 11 11	1-19 100 40 10 10 12 28 28 1-19 10-0 7-8 2-1	16-90 07 08 1 52 30 ACH DU 16-30 33.2 17.4	\$1-48 43 20 10 1 38 29 RATION 31-45 27.7 15.3	87 17 4 21 15 HOURS 46-60 29-7 15-3 3-7	01-00 10 10 10 27 17 4ND T 61-00 22.0	PI-120 18 4 24 22 ENTHS 91-120 27-1	T;m 121-180 11 7 1 1 39 9 7 121-180 27.0	E IN MIN 181-240 19 29 E IN MIN 181-240 19.2	UT#8 #41-960 1 1 1 1 1 1 1 1 1 1 1 2 1 241-360	361-480 3 361-480	461.	150 43 3 170 121 1-90 125.6 72.9 26.1	98 80 1 07 40	319 108 91 250 101	
	CATEGORY II III III III III TOTAL TIM CATEGORY IIII IIII IIII IIII	1-15 100 40 10 1 28 28 1-15 10-0 7-0 2-1	10-90 07 08 01 52 30 ACH DU 10-90 33.2 17.4 3.6 10.9	\$1-48	87 17 4 21 15 HOURS 46-60 23.7 15.3	61-90 18 19 19 27 19 4ND T 61-90 22.0 17.7 12.0	91-120 10 12 - - 24 22 ENTMS 91-120 27.1 20.6	TIM 181-180 11 7 139-9 121-180 27-0 16-2 7-2	E IN MIN 181-246 4 4 6 8 19 9 E IN MIN 181-240 19.2 4.2	UT#5 241-960 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	761-460 3	1	1-90 121 1-90 123.4 1-90 125.4 72.9 26.1	98 94 9 1 07 40 91-ALL 71.7 99.3 19.9	319 102 91 4 259 101 1-4LL 197.3 120.0 49.8	
	CATEGORY I	1-15 100 100 10 12 28 E IN E 1-15 17-0 7-8 2-1 -2 5-7	10-30 07 08 0 1 32 30 ACH DU 10-30 33.2 17.4 10.3 12.0	\$1-45 -03 20 10 18 20 RATION 31-45 27.7 15.3 0.6 -7 24.2 18.3	#7 17 4 21 15 HOURS 46-60 23-7 19-3 3-7 18-4 13-7	61-90 19 19 27 19 4ND T 61-90 22.0 17.7 12.0 33.6 23.7	91-120 10 12 24 22 ENTHS 91-120 27.1 20.6 6.6 41.7 37.8	TIM 181-180 11 7 1 39 9 121-190 27.0 10.2 78.4 21.1	E IM MIN 101-240 2 10 9 E IN MIN 101-240 10-2 4,4 64,5 17.5 E IN MIN	UT#8 241-948 1 1 1 1 241-940 4 4 241-940 4 5 4 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	361-480	461.	1-90 121 1-90 125.0 72.9 101.6 72.9	91-ALL 71-7 71-7 79-3 19-9 4-4 261-9	319 102 91 	
	CATEGORY IIIA IIIA IIIA IIIA IIIA IIIA IIIA TOTAL TIM CATEGORY IIIIA IIIA IIIA IIIA CATEGORY IIIA CATEGORY IIIA CATEGORY	1-15 100 100 101 228 28 28 28 1-15 10-0 7-0 2-1 2-1 3-9 3-3 148 144	16-30 67 68 9 1 52 30 ACH BU 16-30 33.2 17.4 3.6 19.3 12.0 EACH	\$1-45 45 10 10 138 29 RATION 31-45 27-7 15-3 6-6 7 24-2 18-3 DURATI	#7 17 4 21 13 HOURS 46-60 23.7 15.3 3.7 18.4 13.7 OW NIM	01-90 18 10 10 27 19 AND T 01-90 22.0 17.7 12.0 33.6 23.7	91-128 10 10 10 10 24 22 ENTMS 91-120 27-1 20-6 6-1.7 37-8 ND TENT!	181-180 11 1 1 1 121-180 121-180 121-180 121-180	E IM MIN 191-240 8 19 9 E IN MIN 191-240 191-2 44.5 17.3 E IN MIN 181-240	UT#8 241-948 1 1 1 1 241-940 4 4 241-940 4 5 4 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	361-480	461.	1-90 121 1-90 125.0 72.9 101.6 72.9	98 94 1 00 40 91-ALL 71-7 99.3 10-4 201-9 93.9	119 109 109 101 101 101 101 101 101 101	
	CATEGORY I I I I I I I I I I I I I I I I I I I	1-15 100 40 10 10 22 28 E IN E 1-15 17-0 7-8 2-1 2-2 5-3 IME IM 1-15 10-6	16-30 37 48 16-30 33-2 17-4 3-6 10-30 12-0 EACH	\$1-45 20 10 10 10 10 10 10 10 10 10 1	#7 17 40-60 23.7 15.3 3.7 18.4 13.7 04 MIN 46-60 52.7	01-90 18 19 19 27 19 4ND T 61-90 17.7 12.0 33.8 UTES A 61-90 73.2	91-120 10 10 10 10 10 20 20 41.7 37.8 ND TENT! 91-120 101-0	181-180 11	E IN MIN 181-240 0 2 19 9 E IN MIN 181-240 14.2 4.4 64.5 17.3 I M MIN 181-240 197.8 219.9	UTFS 241-340 4.5 4.7 4.5 4.7 6.6 47.5 10.0 UTFS 241-340	361-480	1 491.	190 190 191 191 1-90 123.0 72.9 26.1 101.0 72.9	92 90 91 40 91-ALL 71-7 91-3 19-9 91-9 91-4 134-5 134-5	119 108	
	CATEGORY I ITA I ITA I ITA I ITA I ITA I ITA CATEGORY II ITA I I ITA I I ITA 1-15 100 40 10 10 10 10 10 10 10 10 10 11 10 11 11	16-30 -32 -30 -40 -32 -30 -40 -30 -30 -40 -30 -40 -30 -40 -30 -40 -30 -40 -40 -40 -40 -40 -40 -40 -40 -40 -4	\$1-45 69 28 10 12 28 28 27-7 15-3 6-6-7 24-2 18-3 19-3 98-7 78-7 39-7 42-0	21 13 HOURS 46-60 22.7 13.7 18.4 13.7 04 NIN 46-60 73.9	01-90 18 19 19 27 19 AND T 61-90 22.0 17.7 12.0 33.6 23.7 UTES A 61-90 79.2 76.0 71.7	91-126 10 12 22 22 ENTHS 91-120 27-1 20-0 61-7 37-8 NO TENTO 91-120 101-0 109-0 109-0	121-180 121-180 11 17 13 35 9 121-180 27.0 142-2 78.4 21.1 MS TIMIS 121-180 147.0 139.0 139.0	E IN MIN 181-240 4 8 19 9 E IN MIN 181-240 19.2 14.2 4.4 64.5 17.3 E IN MIN 181-240 197.0 197.0	UT/S E41-940 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 3 361-480 19.3 361-480	1 491• 0.9	190 190 121 1-90 121,0 72.9 20.8 11.9 20.8 21.9 22.9	98 90 91 40 91-ALL 71-7 91-3 19-9 91-9 91-4 134-2 146-9	119 108		
	CATEGORY II IN III III III III III III III III	1-15 100 400 100 100 100 100 100 100 100 100	10-30 97 98 1 32 30 ACH DU 10-30 17.4 10.9 12.0 EACH 10-30 22.0 22.0 24.1	\$1-45 69 28 10 12 28 28 27-7 15-3 6-6-7 24-2 18-3 19-3 98-7 78-7 39-7 42-0	21 13 HOURS 46-60 22.7 13.7 18.4 13.7 04 NIN 46-60 73.9	01-90 18 19 19 27 19 AND T 61-90 22.0 17.7 12.0 33.6 23.7 UTES A 61-90 79.2 76.0 71.7	91-120 10 10 10 10 10 20 20 41.7 37.8 ND TENT! 91-120 101-0	121-160 27.0 10.2 121-160 27.0 10.2 7.2 70.4 21.1 MS 121-160 107.0 107.0 107.0 107.0	E IN MIN 191-240 6 8 19 2 101-240 101-240 101-2 4,4 44,5 17,3 2 IN MIN 101-2-0 107-2 219-3 109-0 200-9 207-2	UT75 241-340 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	961-480 3 361-480 19.3 361-480	1 491.	1-90 121 1-90 121 1-90 125.0 72.9 101.0 101.0 10.0 10.0 10.0 10.0 10.0	92 90 91 10 90 40 91-ALL 71.7 97.2 10.9 4.6 201.9 91-ALL 134.5 126.5	119 108 101 101 107 101 107 101 100 100 100 100	
	CATEGORY II IIIA IIIC IIIC IIIC IIIC IIIC IIIC	1-15 100 100 11 228 28 28 1-15 7-8 2-15 7-8 1-15 1-15 1-15 1-15 11-15 11-15 11-15 11-15 11-15	16-90 67 68 1	\$1-45 43 24 100 11 22 27 24 27 24 27 24 24 24 24 24 24 24 24 24 24 24 24 24	21 13 HOURS 46-60 22.7 13.7 18.4 13.7 04 NIN 46-60 73.9	01-90 18 19 19 27 19 AND T 61-90 22.0 17.7 12.0 33.6 23.7 UTES A 61-90 79.2 76.0 71.7	91-126 10 12 22 22 ENTHS 91-120 27-1 20-0 61-7 37-8 NO TENTO 91-120 101-0 109-0 109-0	121-160 27.0 121-160 27.0 10.2 78.4 21.1 MS TIM 121-160 107.0 107.0 107.0 107.0 107.0 107.0	E IN MIN 181-140 6 6 7 9 E IN MIN 181-240 19-2 4.4 64.5 17.3 17.8 181-240 197-6 212-5 197-0 209-9 207-2	UTFS 241-340 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	961-480 3 361-480 19.3 361-480	1 491• 0.9	1-90 125.0 125.0 125.0 125.0 125.0 125.0 125.0 101.0 1	92 90 91 40 91-ALL 71.7 99.3 10.9 4.0 801.9 91-ALL 134.5 134.5 144.9 146.9 146.9	119 108 108 108 108 108 108 108 108 108 108	
	CATEGORY ITA ITA ITA ITA ITA ITA ITA IT	1-15 100 400 10 12 28 1-15 19.00 2-1 19.00 2-1 19.00 1-15 10.00 11.7 12.00 11.7 12.00 11.1 11.3	16-10 97 98 99 12 30 10-30 33.2 11-3 12-0 10-3 12-0 10-3 22-9 22-1 23-0 22-2 22-2 22-2 22-0 22-2 22	SI-45 -63 -63 -63 -63 -63 -63 -73 -63 -73 -63 -73 -73 -73 -73 -73 -73 -73 -73 -73 -7	21 13 140URS 46-60 22.7 13.7 18.4 13.7 18.4 13.7 09 PIN 46-60 93.9 93.8 93.6 93.7	01-90 18 10 27 19 19 10 22.0 17.7 23.7 23.7 23.7 23.7 27.2 27.2 27.2 2	91-126 18 18 4 22 21-120 27.1 20.6 6.6 61.7 27.8 ND TENT! 91-120 101.6 103.0	121-180 121-180 27.0 121-180 27.0 141-180 27.2 78.4 21.1 MS TIMI 121-180 147.0 147.0 149.0 14	E IN MIN 191-240 6 6 19 9 E IN MIN 101-220 102-2 103-2 104-2 107-2 107-2 107-2 209-0 207-2 209-0 207-2 209-0 207-2 209-0 207-2 209-0 207-2 209-0 207-2	UTFS 241-340 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	361-480 19.3 361-480 306.7	1 491• 0.9	1-90 125.0 72.9 101.0 101.0 72.9 101.0 72.9 101.0 72.9 1-90 20.8 31.8 31.8 31.9 32.3 35.0	92 90 90 90 40 91-ALL 71.7 95.3 10.9 91-ALL 134.5 136.9 146.9 264.9 170.5 145.9	119 104 104 104 104 104 104 104 104 104 104	
	CATEGORY ITA ITA ITA ITA ITA ITA ITA IT	1-19 100 400 400 400 400 400 400 400 400 400	16-10 67 67 68 7 7 68 7 7 7 7 7 7 7 7 7 7 7 7 7	\$1-45 -22 -24 -25 -26 -27 -27 -27 -27 -27 -27 -27 -27 -27 -27	21 15 46-60 23.7 15.3 3.7 18.4 13.7 04 NIW 46-60 52.7 53.6 54.7	01-00 18 10 10 27 17 4NO T 61-90 22.0 39.6 23.7 12.0 39.6 40 79.2 71.7 79.2 74.6 41 61-90 42 27 48 61-90 48 61-90 61	91-120 18 18 4 22 22 22 22 12 20 4 20 4 20 4 20 4 20 4 41 7 20 4 41 7 20 4 10 1 1 4 10 1 1 9 1 9 1 1 1 2 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	121-180 121-180 111 121-180 27.0 142-180 147.0 147.0 139.0 148.9 149.7 1676728 1676728 181-180	E IN MIN 181-240 6 6 19 9 E IN MIN 181-240 19-2 4-4 64-5 17-3 17-3 17-4 219-5 197-0 207-2 208-8 207-2 T IN MIN 181-240 181-240 181-250 208-8 207-2 T IN MIN 181-240 181-250 18	UTFS 241-940 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	361-480 19.3 361-480 306.7	1 491+ 8,9 481+ 911,0	1-90 125.0 72.9 26.1 101.6 72.9 26.1 101.6 72.9 1-90 20.8 21.9 20.3 22.3 22.3 22.3 22.3 22.3 22.3 22.3	98 98 98 98 98 98 98 98 98 98 98 98 98 9	119 108 108 108 108 108 108 108 108 108 108	
	CATEGORY ITA ITA ITA ITA ITA ITA ITA IT	1-15 100-40 400-40 101-15 122-28 28 IN E 2-15 1-15 2-1-15 2-1-15 10-0 11-15 11-3 0F OC 11-15 250-40 11-15 250-40 11-17 250 11-17 250 11-17 250 11-17 250 11-17 250 11-17 250 11-17 250 11-17 250 11-17 250 11-17 250 11-17 250 11-17 250 11-17	16-10 67 67 68 67 68 69 79 70 71 72 73 74 75 75 75 75 75 75 75 75 75 75	\$1-45 -22 -24 -25 -26 -27 -27 -27 -27 -27 -27 -27 -27 -27 -27	877 17 4 21 13 19 19 19 23 17 19 23 17 19 13 13 13 17 17 18 14 13 17 17 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	01-00 18 10 10 27 17 41-90 22.0 39.8 23.7 71.2 72.2 74.8 41 42 27 14 61-90 42 27 14 61-90 42 27 14 61-90 61-90 61-90 61-90 61-90 61-90 61-90 79.2 7	91-120 18 18 4 22 4 22 5 21-120 27.1 20.6 6.6 6.6 6.7 37.8 NO TENT! 91-120 101.6 109.1 199.3 104.2 109.0	121-180 27.0 121-180 27.0 101-180 27.0 101-180 27.2 78.4 21.1 MS TIME 121-180 139.0 149.0 149.7 167.7 17.0 149.7 17.0 149.7 17.0 149.7 17.0 189.0	E IN MIN 181-240 6 6 19 19 21 10-24 11-2	UTFS 241-940 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	301-400 19.3 361-400 304.7 83	1 401+ 0.5 401+ 511.0	1-90 125.0 72.9 26.1 101.6 72.9 1-10 101.6 72.9 1-90 20.8 20.3 22.3 22.3 22.3 22.3 22.3 22.3 22.3	92 90 90 90 40 91-ALL 71.7 93.3 10.0 91-ALL 130.3 140.9 264.9 264.9 264.9 270.3 143.9	1-ALL 171.0 101.0 107.3 120.0 107.3 120.0 100.0	
	CATEGORY I ITA I I O ITI I I I I O ITI I I I I I I I I I I I I I I I I I	1-15 100-40 40 40 10 1 32 28 28 28 28 28 7.8 27 1-15 2.0 29 3.3 28 114 14 12.0 0 11.7 12.0 0 11.1 11.3 0 11.2 290 10.4 27	16-30 47 47 47 47 47 47 47 47 47 47	\$1-4\$	21 15 46-60 23.7 15.3 3.7 18.4 13.7 04 NIW 46-60 52.7 53.6 54.7	01-00 18 10 10 27 17 4NO T 61-90 22.0 39.6 23.7 12.0 39.6 40 79.2 71.7 79.2 74.6 41 61-90 42 27 48 61-90 48 61-90 61	91-120 18 18 4 22 22 22 22 12 20 4 20 4 20 4 20 4 20 4 41 7 20 4 41 7 20 4 10 1 1 4 10 1 1 9 1 9 1 1 1 2 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	121-180 121-180 111 121-180 27.0 142-180 147.0 147.0 139.0 148.9 149.7 1676728 1676728 181-180	E IN MIN 181-240 6 6 19 9 E IN MIN 181-240 19-2 4-4 64-5 17-3 17-3 17-4 219-5 197-0 207-2 208-8 207-2 T IN MIN 181-240 181-240 181-250 208-8 207-2 T IN MIN 181-240 181-250 18	UTFS 241-940 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	301-480 19.3 301-480 306.7 81	1 491+ 8,9 481+ 911,0	1-90 170 170 171 1-90 121.0 72.9 20.8 20.8 20.8 21.5 20.8 21.5 20.8 21.5 20.8 21.5 20.8 21.5 20.8 21.5 20.8 21.5 20.8 21.5 21.5 21.5 21.5 21.5 21.5 21.5 21.5	98 98 98 98 98 98 98 98 98 98 98 98 98 9	119 108 108 108 108 108 108 108 108 108 108	
	CATEGORY IT A IT A IT A IT A IT A CATEGORY IT A IT A IT A IT A CATEGORY IT A	1-15 100-40 40-40 10-10 132-28 28-28-28-28-28-28-28-28-28-28-28-28-28-2	16-90	\$1-49 29-29-29-29-29-29-29-29-29-29-29-29-29-2	877 17 4 21 11 10 10 10 10 10 10 10 10 10 10 10 10	01-00 18 14 10 27 19 AMD 7 61-00 22.0 93.6 23.7 70.7 77.2 74.6 64 62 36 AMD 7 16 63 36 AMD 7 16 63 36 AMD 7 16 63 64 64 65 65 66 67 68 68 68 68 68 68 68 68 68 68	91-120 10 12 22 ENTMS 91-120 27.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	121-180 121-180 17.0 10.2 10.2 10.2 10.2 10.2 10.3	E IN MIN 191-240 6 8 19 9 E IN MIN 101-240 15-2 14-2 6-4 64-5 17-3 E IN MIN 181-2-0 197-0 207-2 207-2 208-4 207-2 32 12 12 12 13 14 17 19-0 19	UTES 241-340 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	301-480 19.3 361-480 306.7 81 361-460 3	1 4910 9.9 4810 911.0	1-00 170 170 171 1-00 121.0 72.9 20.8 20.8 21.5 20.8 21.5 20.8 21.5 20.8 21.5 20.8 21.5 20.8 21.5 20.8 21.5 20.8 21.5 20.8 21.5 20.8 21.5 21.5 21.5 21.5 21.5 21.5 21.5 21.5	92 92 93 1 90 40 91-ALL 71-7 99.2 194.2 194.5 194.2 144.9 14	119 104 104 104 104 104 104 104 104 104 104	
	CATEGORY IIIA IIIA IIIA IIIA IIIC III * III IIIC IIIA IIIA IIIA IIIA IIIA IIIA	1-15 1-0-40 40-40 10-40 10-40 10-40 10-40 1-15 1-15 10-40 11-17 12-8 11-17 12-8 11-17 11-17 11-17 11-17 11-17 11-17 11-17 11-17	16-30 67 67 67 67 67 67 67 67 67 67	\$1-49 29 29 29 29 29 29 29 20 20 21 27 27 27 27 27 27 27 27 27 27 27 27 27	87 17 4 40 40 40 40 40 40 40 40 40 40 40 40 4	01-00 18 10 10 10 10 10 27 17 27 40 22.0 71 72.0 73.2 74.0 40 77.7 75.2 74.0 40 40 40 40 40 40 40 40 40 4	91-120 10 12 4 22 ENTMS 91-120 27.1 20.0 41.7 37.8 ND TENT: 91-120 100.1 100.1 100.1 100.2 100.0 91-120 25 8	121-180 121-180 121-180 27.0 121-180 27.2 78.4 21.1 MS TIME 121-180 147.0 139.0 148.9 140.7 167672 18 17 18 18 17 18 18 18 18 18 18 18 18 18 18	E IN MIN 191-240 4 6 19 7 10 7 11-2-1 11-2-1 14-2-1 14-2-1 14-2-1 17-3-1 201-2-0 204-0 207-2 207-2 207-2 307-2	UTFS 241-340 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	301-480 19.3 361-480 306.7 81 361-460 3	1 4910 9.9 4810 911.0	1-90 125.0 72.9 121 101.0 125.0 72.9 1-90 20.8 31.9 30.3 22.3 35.0 36.1	92 92 93 93 1 90 40 91-ALL 71:7 99.3 10:4 13:5 13:5 13:5 13:5 13:5 13:5 13:5 13:5	1-ALL 1-ALL 107.3 129.1 101.2 107.3 120.8 4.7 301.9 100.8 1-ALL 27.8 40.9 71.0 40.9 27.4 40.9 27.9 100.8 1-ALL 27.9 100.8	200,00
	CATEGORY IIIA IIIA IIIA IIIA IIIC III * III IIIC III * III IIIA IIIA AVERAGE T CATEGORY IIIIA IIIIC IIIIA IIIIC IIIIA IIIIC IIIIA IIIIC IIIIIC IIIIC IIIIIC IIIIIC IIIIIC IIIIIC IIIIIC IIIIIC IIIIIC IIIIII	1-15 10-0 00 00 11-15 29-0 00 10-15 29-0 00 10-15 29-0 00 10-15 29-0 00 10-15 29-0 00 10-15 11-1	16-30 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -	\$1-4\$	877 17 4 40-60 22:7 15:3 22:7 15:3 21:7 18:4 13:7 18:4 13:7 18:4 13:7 18:4 13:7 18:4 13:7 18:4 13:7 18:4 13:7 18:4 18:4 18:4 18:4 18:4 18:4 18:4 18:4	01-90 18 10 10 27 17 27 19 AND 7 61-90 22.0 23.7 70.0 71.7 75.2 74.8 ALL 61-90 63 38 AND 71.5 51-90 63 38 AND 71.5 51-90 63 35 64 65 65 65 65 65 65 65 65 65 65	91-120 10 12 22 ENTMS 91-120 27.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	121-180 121-180 17.0 10.2 10.2 10.2 10.2 10.2 10.3	E IN MIN 191-240 6 8 19 9 E IN MIN 101-240 15-2 14-2 6-4 64-5 17-3 E IN MIN 181-2-0 197-0 207-2 207-2 208-4 207-2 32 12 12 12 13 14 17 19-0 19	UTFS 241-340 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	301-480 19.3 361-480 306.7 81 361-460 3	1 4010 0.9 4010 511.0	1-00 1-00 121-0 121-0 121-0 121-0 121-0 121-0 121-0 121-0 121-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0	92 92 93 1 97 40 91-ALL 71-7 91-2 10-4 134-5 134-5 144-9 144-9 145-9 91-ALL 145-9 91-ALL 145-9	1-ALL 177.3 129.1 107.3 120.8 4.7 307.3 100.8 1-ALL 171.8 40.7 307.9 71.0 40.2 40.3 100.8 1-ALL 27.8 40.7 27.9 40.8 40.7 20.9 100.8	200.00
	CATEGORY I I I I I I I I I I I I I I I I I I I	1=15 100+40 40 40 10 1 32 2 20 7.8 1-15 10.0 7.8 2.9 3.9 11.5 10.6 11.7 2.0 12.0 11.3 0F OC 11.3 10.6 11.3 11.3 11.3 11.3 11.3 11.5 11.5 11.5	16-30 - 67 - 67 - 67 - 67 - 67 - 67 - 67 - 67 - 67 - 72 - 72	\$1-49 -29 -29 -29 -29 -29 -20 -29 -29 -29 -29 -29 -29 -29 -29 -29 -29	877 17 17 17 17 18 19 100483 46-60 22.7 13.3 3.7 18.4 13.7 99.8 92.7 93.8 92.7 93.8 93.8 94.7	01-90 18 10 10 10 27 17 17 17 12.0 23.7 71.2 72.2 70.0 40 27 71.7 71.7 72.2 74.8 ALL 61-90 63 38 AND T	91-126 10 12 0 20 21 20,0 41,7 27,0 20,0 41,7 37,8 91-120 101,0 101,0 101,0 103,0 91-120 25 29 80 80 80 80 80 80 80 80 80 80 80 80 80	121-160 27.0 10-160 27.0 10-2 7.2 76.4 21.1 105 107.0	E IN MIN 191-140 6 8 19 9 E IN MIN 101-240 19-2 4.4 64.5 17.3 E IN MIN 181-240 197.2 200.0 207.2 200.0 207.2 I IN MIN 181-240 207.2 I IN MIN 181-240 207.2 I IN MIN 181-240 207.2 197.0 1	UTFS 241-340 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	961-480 3 301-480 19.3 301-480 306.7 81 301-480 3 4 40.9	1 401. 0.9 401. 511.0 401.	1-00 125.0 170 121 1-00 125.0 72.9 1-1 1.1 1.1 1.1 1.2 1.3 22.3 22.3 22.3 22.	91-ALL 170-7 191-7 191-7 191-7 191-7 191-8 191-9 191-8	1-ALL 177-3 129-101 1-7-3 120-8 40-7 303-3 100-8 1-ALL 27-8 40-7 29-4 77-10 80-7 20-7 20-7 39-7 39-7 39-7 39-7 39-7 39-7 39-7 39	290.20
	CATEGORY IIIA IIIA IIIA IIIA IIIC III • III IIIC IIIIA IIIIIA IIIIA IIIIII	1=15 100+40 40 40 10 1 32 2 20 7.8 2 1N E 1 10.0 7.8 2.9 3.9 11.7 12.0 11.3 0F DC 12.0 11.3 0F DC 27 290 70 10.4 11.3 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5	16-30 	\$1-49 20 20 20 20 20 20 20 20 20 21 21 22 22 21 21 21 21 21 21 22 22 23 24 25 25 26 27 27 27 27 27 27 27 27 27 27 27 27 27	877 17 4 4 21 13 13 10 MOURS 46-60 22.7 13.3 3.7 18.4 13.7 99.0 92.7 93.0 94.7 46-60 95.7 95.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97	01-90 18 10 10 27 17 41-90 22.0 33.8 61-90 77.2 79.0 79.2 74.8 ALL 61-90 63 36 37 40 37 40 37 40 37 40 40 37 40 40 40 40 40 40 40 40 40 40	91-128 10 12 20 0 27 12 27.1 20.0 6.0 6.1 737.8 70 1817 91-120 104.2 105.0 91-120 25 29 80 1120 25 27 80 107.1	121-160 27.0 121-160 27.0 10.2 78.4 21.1 105 107.0 107	E IN MIN 191-240 4 6 19 7 10 7 10 19-2 10-	UTFS 241-340 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	301-480 19.3 301-480 300.7 81 301-480 3	1 4010 0.9 4010 911.0 4010	1-90 125.0 72.9 121 101.0 125.0 72.9 1-90 20.8 31.9 30.3 22.3 35.9 36.1 1-90 94.3 27.3 27.3 27.3 27.3 27.3 27.3 27.3 27	91-ALL 171-7 191-3 201-40 01-ALL 120-2 120-2 120-2 120-2 170-3 143-9 01-ALL 121-1 120-2 170-3 143-9 01-ALL 121-1 120-2 170-3 143-9	1-ALL 279- 101 107-3 129- 101 107-3 120-8 01-3 100-8 1-ALL 27-3 100-8 1-ALL 27-3 100-8 1-ALL 27-3 100-8 1-ALL 27-3 100-8	290.80
	CATEGORY IIIA IIIA IIIA IIIC III • III IIIC IIII • III IIIA IIIIA IIIIII	1=15 100+ 40 40 40 10 1 32 25 1=15 10.0 7.8 2.9 3.9 110.0 11.7 12.0 11.3 0F DC 12.0 11.3 11.3 11.3 11.3 11.3 11.3 11.3 11	10-30 16-30 17-30 18-30	\$1-49 20 20 20 20 20 20 20 20 21 21 21 21 21 21 21 21 21 21	877 17 4 4 21 13 13 10 MOURS 46-60 22.7 13.3 3.7 18.4 13.7 99.8 92.7 93.8 92.6 94.7 46-60 94.7 48-30 MOURS 46-60 8.1 42.7 27.0 90 MIM	01-90 18 10 10 27 17 41-90 22.0 33.6 23.7 70.2 70.0 77.2 74.8 ALL 61-90 42 27 74.8 AND 71 75.2 76.0 40 31 40 40 31 40 40 40 31 40 40 40 40 40 40 40 40 40 40	91-126 10 12 10 12 10 12 12 12 12 12 12 12 12 12 12 12 12 12	121-160 27.0 121-160 27.0 10.2 78.4 21.1 105 107.0 107	E IN MIN 191-240 6 8 19 9 E IN MIN 191-2-240 191-2-3 4.4 64.5 17.3 E IN MIN 181-2-40 201-2-3 197-3 1	UTFS 241-340 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	961-480 19.3 361-480 206.7 81 301-480 3 6 3 6 19.4	30.3 0.9	1-00 125.0 170 121 1-00 125.0 72.9 1-1 1-1 1-1 1-1 1-1 1-1 1-1 1-1 20.8 31.9 30.9 30.1 1-00 20.8 31.9 30.0 30.1 1-00 20.8 31.9 31.9 31.9 30.0 30.0 30.0 30.0 30.0 30.0 30.0 30	91-ALL 130-3 140-3	1-ALL 197.3 100.8 1-ALL 197.3 120.8 0.7 30.7 100.8 1-ALL 171.0 007 171.0 007 110 110	200.20
	CATEGORY IIIA IIIA IIIA IIIC III • III IIIC III • III IIIA IIIA AVERAGE T CATEGORY IIIA IIII III III IIII IIII IIII IIII	1-15 100-40 100-40 101-32 22-25 1-15 10-0 10-0 10-0 11-7 11-0 11-15 11-13 11-13 11-13 11-15 11-1	16-30 16-30 17-30 18-30 18-30 17-4 18-30 18-	\$1-49 -20 -20 -20 -20 -20 -20 -20 -20 -20 -20	877 17 17 17 17 18 19 100483 46-60 22.7 13.7 39.7 18.4 13.7 73.9 99.8 99.8 99.8 99.8 99.8 99.8 99.8 9	01-90 18 10 10 27 17 41-90 22.0 39.8 61-90 79.2 79.0 79.2 74.8 ALL 61-90 49 27 10 61-90 49 27 70.0 61-90 49 27 70.0 61-90 61-90 62 70.0 63 70.0 64 70.0 65 70.0 65 70.0 70.	91-126 10 12 10 12 10 12 10 12 12 12 12 12 12 12 12 12 12 12 12 12	121-160 27.0 121-160 27.0 10.2 78.4 21.1 MS TIME 121-160 107.0	E IN MIN 181-240 4 6 19 19 21 19.2 19.2 19.2 4.4 64.5 17.3 17.3 197-0 207-2 209.0 207-2 208.8 VAT E IN MIN 181-240 197-0 197-0 207-2 197-0 207-2 197-0 197-0 207-2 197-0 197-0 207-2 197-0	UTFS 241-340 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	961-480 19.3 361-480 306.7 83 361-480 3 4 9 19.4 40.9 19.4	1 401. 0.9 401. 511.0 401.	1-00 125.0 170 121 1-00 125.0 72.9 1-1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.2 1.9 20.8 21.9 20.8 21.9 22.3 22.3 22.3 22.3 22.3 22.3 22.3 22	92 90 91 90 90 90 91 91 91 91 91 91 91 91 91 91 91 91 91	1-ALL 177.3 1-ALL 287.7 1-ALL	300.00
	CATEGORY IIIA IIIA IIIA IIIC III • III IIIC III • III IIIA IIIA IIIA AVERAGE T CATEGORY IIIA IIII III IIII PREGUENCY CATEGORY IIIA IIIIA IIIIIA IIIIA IIIIA IIIIA IIIIA IIIIII	1-15 1000 00 00 00 00 00 00 00 00 00 00 00 0	16-90 16-90 22.7 5	\$1-49 -20 -20 -20 -20 -20 -20 -20 -20 -20 -20	877 17 17 17 19 10 10 10 10 10 10 10 10 10 10 10 10 10	01-90 18 19 19 27 17 17 21 61-90 22,0 33,6 23,7 71,7 72,2 74,6 61-90 43,2 74,6 63,3 36 64,0 77,2 77,2 77,2 77,2 77,2 77,2 77,2 77	91-126 10 12 10 12 10 12 10 12 12 12 12 12 12 12 12 12 12 12 12 12	121-180 121-180 27.0 121-180 27.0 142-180 147.0 131-180 147.0 131-180 142.9 140.7 121-180	E IN MIN 191-240 4 6 19 7 E IN MIN 101-240 101-24 101-240 101-240 101-240 101-240 101-240 201-2	UTFS 241-340 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	961-480 19.3 361-480 206.7 81 301-480 3 6 3 6 19.4	30.3 0.9	1-00 1-00 121-0 121-0 121-0 121-0 121-0 121-0 121-0 121-0 121-0 121-0 121-0 121-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0	92 92 93 94 90 90 91 91 91 91 91 91 91 91 91 91 91 91 91	1-ALL 100-8 1-ALL 177-3 120-8 -0.7 100-8 1-ALL 171-0 007-9 110-0 007-9 110-0 100-1 1	310.04
	CATEGORY IT A IT A IT A IT A IT A CATEGORY IT A IT A IT A AVERAGE T IT A	1-15 100-40 101 1-15 22 2-15 1-15 10-0 7-8 1-15 10-0 11-7 11-7 11-15 11-	16-30 	\$1-49 20 20 20 20 20 20 20 20 20 21 21 21 21 22 23 23 24 25 26 27 21 21 21 21 21 22 22 23 23 24 25 26 27 27 27 27 27 27 28 29 29 20 21 21 21 21 21 21 21 21 21 21	877 17 17 17 17 18 10 21 13 13 13 13 13 13 13 13 13 13 13 13 13	01-90 18 10 10 12 27 17 41-90 22.0 39.8 61-90 79.2 70.0 79.2 74.8 ALL 61-90 49 27 14 62 33.8 ALL 61-90 63 17.7 77.2 60.9 77.2 60.9 77.2	91-126 10 12 10 12 10 12 10 12 10 12 10 12 10 10 10 10 10 10 10 10 10 10 10 10 10	121-180 121-180 27.0 121-180 27.0 121-180 142.7 131-180 142.7 167-72 17.0 131-180 142.7 167-72 17.0 131-180 17.0 131-180 18.0 19.0	E IN MIN 191-240 4 6 19 7 2 14 7 101-240	UT75 241-340 4.2 4.7 241-340 4.2 4.7 4.7 4.7 4.7 4.7 4.7 221-340 281,0 2	301-480 19.3 301-480 300.7 81 301-480 3 19.4 40.0 19.4 40.0 19.4	30.3 0.9	1-90 1-90 1-90 1-90 121 1-90 123.6 772.9 1-90 1-90 1-90 1-90 1-90 1-90 1-90 1-9	91-ALL 128-128-128-128-128-128-128-128-128-128-	1-ALL 1941.9 1957 1961.9 1961.	390.30

ANCMORAGE, INTERNATIONAL TABLE XVIII- TEMPERATURE < 20 DEGREES (P), WITH POG, NO PRECIPITATION, AND WI FREQUENCY OF DECURRENCE 0700 - 1300 (25571 DESERVATION MOURS)	ND 9-12 JANUA	KNOTS. RY 1996	- DECEM	DER 1965	
TIME IN MINUTES CATEGORY 1-15 16-30 31-45 46-60 61-90 91-120 121-180 181-240 2-1-360 361-480	481+	1-90		1-ALL	
II 3 III I III 3	4010	3		1	
111C 11 + 111 3		,		,	
TOTAL TIME IN EACH DURATION HOURS AND TENTHS					
CATECORY 1-19 18-90 31-49 46-80 61-90 91-120 121-180 181-240 241-380 361-480	481+	1-90 .3 .1	91-4LL	1-4LL .3 .1	
1110 1111 • 111 • 3		.,		.3	
AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS					
TIME IN MINUTES CATEGURY 1-19 16-30 31-45 46-60 61-90 91-120 121-180 181-240 241-360 361-480 II 3.7 IIIA 7.0 IIIS 113	481+	1-40 5.7 7.0	91-ALL	1-ALL 3.7 7.0	
		5.7		3.7	
FREQUENCY OF DCCURRENCE					
TIME IN MIMUTES CATEGORY 1-15 (6-30 31-45 46-60 61-90 91-120 121-180 181-240 241-360 361-480	481+	1-90	91-ALL	1-411	
11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	44,4	1	*******	1	
1110 11 + 111 1 111		1		1	
TOTAL TIME IN EACH DURATION HOURS AND TENTHS					
TIME IN MINUTES CATEGORY 1-15 16-30 31-45 40-60 61-90 91-120 121-180 181-240 241-360 361-480 II	401+	1-90 .1	41-ALL	1-ALL •1 •1	
1116 1110					
11 + 111 -1 111		•1		.1	
AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS					
CATEGORY 1-15 16-30 31-45 46-60 61-90 91-120 121-180 181-240 241-360 361-480 11 5.0 111 5.0	481+	1-90 9.0 5.0	41-ALL	1-466 3.0 3.0	
1118 1116 11 • 111		3.0		3.0	
111					
FREQUENCY OF OCCURRENCE 2200 ~ 0000 (32877 OBSERVATION HOURS) THE IN MINUTES					
CATEGORY 1-15 16-50 51-45 46-60 61-90 91-120 121-180 181-240 241-560 561-480	401+	1-40	91-ALL	1-ALL 1	
1110 1110		_			
1111		1		1	
TOTAL TIME IN EACH BURATION MOURS AND TENTHS TIME IN HINUTES					
CATEGORY 1-15 16-30 31-65 46-60 61-90 91-120 121-180 181-240 241-360 361-480 III #3	481+	1-90	91-ALL	1-ALL	
1118 1116					
11 + 111 .5		.,		.3	
AVERAGE TIME IN EACH DURATION MINUTES AND TENTES TIME IN MINUTES					
CATEGORY 1-15 16-30 31-45 46-60 61-90 91-120 121-180 181-240 241-360 361-680 11 31.0 111A 111B	481+	1-90	91-ALL	1-4LL 31.0	
1116		31.0		11.0	
111 ALL (97672 DESERVATION HOURS)					
FREQUENCY OF OCCURRENCE TIME IN HINUTES					
CATECORY 1-15 10-30 51-45 46-00 01-90 91-120 121-180 101-240 241-300 801-480 II 6 1 III 6 1 III 7 III	481+	1-90 5 1	91-ALL	1-411 5 1	
1118 1116 11 • 111 • 1		,		,	
TIT .		,		,	
TOTAL TIME IN EACH DURATION HOURS AND TENTHS TIME IN HINUTES					
CATEGORY 1-15 10-30 31-45 40-60 01-90 91-120 121-100 101-240 241-300 361-400 11 -4 -5	491.	1-90 .9 .1	41-ALL	1-466 .9 .1	.00
1116 1116 11 • 111 • • • • • • • • • • • • • • •		.•		.•	
III AVERAGE TIME IN EACH DURATION WINGTES AND TENTHS					
CATEGORY 1-15 10-30 31-05 40-00 61-90 91-120 121-100 101-240 241-300 301-400 111 3-5 31-0	481+	10.0	91-ALL	1-ALL 10.6	
1116 1116		6,0		•••	
11 - 111 9.9 91.0		10.0		10.6	

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FREQUENC	Y OF 0	CCURPE	NCF		070	- 1900	(25971			URS)	JAMUI	RY 1954	- DECEM	BER 1945	
CATEGORY 11 1114 1119	1-15	10-30	, ,	•		1	121-180	MB IN M: 181-240	NUTES 241-36	0 361-480 1	481 -	1-90 91 14		1-ALL 53 14	
1116	12	13	,	1			1			1		38	2	40	
TOTAL TE	4 HE IN	3 Fach d	•		_							11	i	12	
CATEGORY 1		10-10	31-45	46-60	61-90	91-120	121-180	18 1-840 181-840	MUTES 241-360	3f1-480 6.2	481+	1-90	91-ALL	1-ALL	
111A 1118	1.6	1.0	1.9	i.,						•.2		20.2 6.1 2.3	0.0	20.2 0.1 2.3	
111 • 111 111	2.1	5.0	3.2			1.4	3.0			J 7.7		19.2	10.7	29.9	
AVERAGE 1							rus						•••	•••	
11	7.8	23.8	31-45	53.0	72.5	106.0	121-100	161-240	241-346	341-480 372.0	461+	1-40	91-ALL 239.0	1-ALL 31.9	
IIIA IIIB IIIC	10.0	21.6	37.3	90.0	81.0							26.1		34.3	
;; ::::	10.0	23.2 21.7	38.4 31.0	46.5	72.0 72.0		179.0			442.0		10.3 30.9	320.5 97.0	\$\$.0 \$6.4	
FREG JENCY	OF 04	CURRE	468		1400	- 2100		0856944		AS)					
CATEGORY	1-15	16-30	31-43	46-60	61-40 1	*1-120 3		E IM MI 181-240 2		341-480	481+	1-90	91-ALL	1-ALL	
IIIA III	3	1	•	•	i	•	i	•	•			16	í	23 7 2	
111¢ 111¢ 111¢	3	,			1	•	1	1	1	1		11		19	
TOTAL TIM	E IN E	ACH DU	M41101	HOUR!	AND '	TENTHS		E IN MI	#)78°			•		_	
TATEGORY	. •	16-30 2.6	31-45 .7	1.0	1.3	91-120 5.4	121-180	101-240 7.1	241-340 4.4	361-480	401+	1-90	91-ALL 19.2	1-ALL 25.6	
111A 1116 1116	.1	.,			1.2		2.4					2.1	2.4	•.5	
111 + 111	:5	1.9			1.3	6.4	2.4	4.0	4.4	7,4		4.0 1.5	25.3	29.3 1.5	
VERAGE T						-	TIM	e in Ali	NTES						
ATEGORY	10.0	22.3		57.0	75.0 73.0	107.0	121-100 143.0 143.0	213.5	262.0	361-480	481+	1-90 23.9 21.2	91-ALL 164.7 143.0	1-ALL 66.7 38.7	
1116 1116 11 • 111	10.0	19.0	, i		75.0	103.3	143.0	238.0	276.0	444.0		13.5	189.8	13.5	
iı ···	1.3				73.0							30.0		30.0	
REQUENCY			•-			- 0400	TIM	OBSERVAT E im mir	UTFS						
ATEGORY	1-15 33 14	16-30 27 14	31-45	**-*0	61-90 6 2	*1-129 1	121-100 9	181-240	241-360 1	361-480	481+	1-90	91-ALL	1-4LL 76	
116	2	2	z	i	ī	ž	·		-			40	i	10	
11 + 111	17	17	11	:	10	:	12	i	2			34	10	**	
OTAL TIM		ACH DU 18-30				-		E IN MIN		361-480	481+	1-90	91-ALL	1-411	
ITA	2.7	11.0	1.3	7.1 7.1	7.0	1.0	11.4	3.2 3.5	4.4		4010	39.9	20.8	1-ALL 60.7 33.8	
116 116 1 • 111	.5 3.0	.3	1.1	.4 7.2	1.5	3.7 4.0	30.3	20,1	1,1			4.5	1.7	103.0	
11	2.1	3.0	2.6	•.•	2.6	4,7	12.4	3.5	-,,,			17.2	22.5	39.7	
VERAGE T	1-15	16-10	11-41	44-40	41-90	91-120	TIM		241-360		401+	1-90	91-ALL	3-ALL	
1 1	11.2	24.4 23.4 10.5	97.1	53.5 53.5	74.0	105.0 99.5 111.5	137.0	189.0				27.2	195.0	37.9 41.5	
110		30.0				108.4		201.0	200.0			33.4 30.0 31.8	111.5	49.0 30.0 70.8	
				>0. 7	77.5 ALL	77.8	148.8	0,005 Tarrate	10H H01	ns		30.3	195.1	54.1	
REQUENCY ATEGORY				44-40		81 <u>-</u> 134 ·		1 1 M M 1 M	U7#4		401 •	1-90	91-ALL	1-41	
I 1A	23	93 18	74	11	:	3	3	3	2		-41.	195	17	1-ALL 172 63	
116 110 1 • 111	3 34	35	10	10	1 17	2	14	7	,	2		14 1 112	2 35	16 1 167	
II Otal time	17 IN 6/	L) LCH DUI	•	•	5	5 ENTHS	•	1	- '	-		40	ii	50	
ATECDRY	1-15	16-30 1	1-45		1-90	P1-120 1	21-140 1		241-340		481+	1-90	91- <u>4</u> LL	1-ALL	
1 114 178	10.2	21.1 0.9 1.3	14.7	9.9	10.7 5.0 1.3	1.9 3.2 3.7	7.4	10.3	1.1	6.2		66.9 26.6 7.2	14.1	114.4 39.4 10.9	
116 1 • 111	6.0	. 5	10.1	***	20.2	15.0	39.7	24.1	19.9	19.1		50.0	104.3	102.7	
 Verige Ti					0.2 JTES AI		12.4	3.5				24.4	24.1	48.5	
ATEGORY I	1-15 1	6-30 1 23.9	36.8	53.7	1-90 1 71.0		7188		141-340	361-480 372.0	481+	1-90	91-4LL 109.2	1-ALL 39.9	
ĪTA	11.0	23.0	40.0	34.4	75.5	95.5	148.7	208.0				27.8 30.8	140.8	37.5 40.9	
118 11C	12.7	30.0										30.0		30.0	

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TABLE :	tx - TE	TAF34M	URE > :	2 DEG	REES (1	:), W1T>	HORAGE,	PRECIPI	TATION,	AND WIND	< 9 KN0	15.			
FREQUE	CY OF	DCCURR	ENCE		0700	- 1300	125971			珠\$1	AUMAL	RY 1956	- DECEM	BER 1945	
CATEGOR II IIIA IIIA	1	4 3: 5 :	• •	, 1			121-180	181-240 181-240	241-340	341-480	481+	1-90 36 14	91-ALL	1-ALL 41 14	
111¢ 11 • 11		1	L		: 1			1				24 10	3	29 11	
TOTAL T	IME IN	EACH (URATEO	N HOUR	S AND	TENTHS	711	AE IN MI	MUTES						
CATEGOR II IIIA IIIB	7 1-15 2.2 1.0	• • • • •	3.6		1.0	3.5	121-180	181-240	241-360	361-480	481+	1-90 14.2 4.1 1.4	91-ALL 8.0	1-4LL 20.2 6.1 1.6	
1116	.1	1.1	. 5	1.0	1.4	1.0		4.0				11.0	0.7 1.0	20.6	
AVERAGE							T11	18 IN MI							
CATEGOR II IIIA IIIC	7 1-19 7.3 10.0	23.0	36.3	.0.0		105.0	121-180	181-340	241-360	361-480	461+	1-90 22.4 26.1 32.0	120.0	1-ALL 20.6 30.1 32.0	
1117	10.5		38.0			104.0		2-0.0				27.5	174.3	42.7	
						- 2100		DOSERVA	710H HOU	RS)					
FREQUEN	-							E IN MI							
CATEGOR	r 1-19 4 3			40-60		♦1-120 3	121-160	181-240	2-1-360		481+	1-90 13 4	*1-ALL 7 1	1-ALL 20 3	
11, 11	5	4			1	4	1	1	2			10	3	10	
TOTAL T	_	EACH D	URATIO	4 HOUR:	: OHA 2	TENTHS						•		•	
CATEGORY II IIIA	1-15	16-30 2.3	31-45	46-60	61-90	-	71H 121-180 2.4 2.4	# IM #11 161-240 7.0	WUTES 241-360 4.4	361-460	481+	1-90 5.7 1.8	91-ALL 19.1 2.4	1-ALL 24.8 4.2	
1116 1116 11 + 111	•1	.3 1.6			1.3	6.9	2.4	3.8	٧.6			.5 3.6	22.7	.3 26.3	
iii'	.3	•••			1.2	•••	•,•	<i>,</i> ,,,	•••			1.5	•••	1.5	
AVERAGE							718	E IN MI							
CATEGORY	8.0	16-30	31-45 40.0	46-40 57.0	75.0	91-120 107.0	143.0	181-240 209.5	241-360	361-480	481+	1-90	91-ALL 163.6	1-ALL 74.4	
1118 1116 1116	11.0	19.0			73.0		143.0					13.5	143.0	50.0 13.5	
1117-111	1.0	24.5			75.0 73.0	103.3	143.0	230.0	209.0			21.3	170.5	87.6 30.3	
														,,,,	
					2200	- 0400	(32877	DE SERVAT	TON HOU	ts:					
FREQUENC		-			_	- 0600		OBSERVAT	TON HOU!						
CATEGORY	1-15	16-30	31-45	ě	61-90	*1-180 1	71× 121-180	0 TM MII		15) 761-460	4834	1-90 82	91-ALL 7	1-ALL 89	
CATEGORY II IIIA IIIB	1-15	15-30 22 14	31-45		61-90	*1-180	71× 121-180	e in Hi	NUTES 241-340		48]+	#2 40		89 46 10	
CATEGORY 11 1114 1118 1110 11 + 111	1-15 34 14 2	15-30 22 14 2 1	31-45 12 3 2	•	61-90 6 2	\$1-120 1 2	71× 121-180	9 m mi) 101-240 1	NUTES 241-340		4814	#2 40 #	7	89 44 10 1	
CATEGORY TI TITA TITA TITC TITC TIT	1-15 34 14 2	16-30 22 14 2 1 12 10	31-45 12 3 2	1	61-90 6 2 1	†1-180 i 8 8	71× 121-180 9	9 m mi) 181-240 1	NUTES 241-360 1		4814	#2 40 #	7	89 46 10 1	
CATEGORY 11 1114 1118 1110 11 + 111	1-15 34 14 2 18 11	15-30 22 14 2 1 12 10 EACH DO	31-45 12 3 2 9 4 URATION	9 7 1 8 7 1 HOURS	61-90 6 2 1 12 2 8 AND 1	91-120 1 2 2 2 9 4 7ENTHS	7 m 121-180 9 9	0 IN MIN 181-240 1 5 1	NUTES 241-360 1	361-460	4810	#2 40 #	7	89 44 10 1	
CATEGORY II IIIA IIIB IIIC II + III III TOTAL TI CATEGORY II	1-15 34 14 2 18 11 Mg IN 1 1-15 6-3 2-7	15-30 22 14 2 1 12 10 EACH DO 14-30 5.9	31-45 12 3 2 9 4 URATION 31-45 7.4	0 7 1 8 7 1 HOURS	61-90 6 2 1 12 2 8 AND 1 61-90 6.7 2.5	\$1-120 1 2 2 3 4 7ENTHS \$1-120 1.8 3.2	71# 121-180 9 9	0 IN MIN 181-240 1 5 1	NUTES 241-360 1	361-460		82 40 4 1 90 34	7 6 2 74 10	89 46 10 1 83	
CATEGORY II IIIA IIIB IIIC IIIC III III TOTAL TI CATEGORY II IIIA IIIA IIIA IIIA	1-15 34 14 2 18 11 Mg Th :	16-30 22 14 12 10 16-30 8.9 5.5	31-45 12 3 2 9 4 9 4 9 9 7.4 2.0	## HOUR!	61-90 6 2 1 12 2 8 AND 1 61-90 6.7 2.5	91-120 1 2 2 3 4 7ENTHS 91-120 1-8 3-2 3-7	Tim 121-180 3 3 12 9 121-180 11.0 7.3	0 TH MIII 101-240 1 2 TH MIII 101-240 3.9	NUTES 241-360 1 2 241-360 4,4	361-460		1-90 30.4 10.5 10.6 10.6	7 6 2 74 10 110 17.0 14.0 3.7	1-ALL 54.3 31.0	
CATEGORY II IIIA IIIB IIIC II + III III VOTAL TI CATEGORY II IIIA IIIB	1=15 34 14 2 18 11 18 IN I 1=15 6.3 2.7 .5	16-30 22 14 2 12 10 EACH DO 16-30 9.9	31-65 12 3 2 9 4 9 100 31-65 7,6 2.0 1.1	6 7 1 8 7 1 HOURS 40-60 7-1 6-3 -8 7-2	61-90 6 2 1 12 2 8 AND 1 61-90 6.7 2.5	\$1-120 1 2 2 3 4 7ENTHS \$1-120 1.8 3.2	TIN 121-160 121-160 11.6	0 IN MII 101-240 1 5 1 1 IN MII 161-240	NUTES 241-360 2	361-460		82 40 8 1 5 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 6 2 74 10	1-Att 94.3 31.0 0.2	
CATEGORY II IIIA IIIB IIIC II + III III CATEGORY II IIIA IIIB IIIC IIIC IIIC IIIC IIIC	1-15 34 14 2 18 11 1-15 6.3 2.7 .5	16-30 22 22 1 12 12 10 14-30 6.9 5.3 .63	31-45 12 2 2 2 4 4 4 URATION 31-45 7.4 2.0 1.1	40-00 7.1 40-00 7.1 0.3 .0	61-90 6 2 1 12 2 8 AMD 1 61-90 6.7 2.5 1.5	91-120 1 2 2 9 4 7ENTHS 91-120 1.8 3.2 3.7 9.1	71M 121-180 3 3 12 9 12-180 11-0 7-3 29.9 12.4	9 1M MIN 181-240 1 9 1 2 1M MIN 181-240 9-9	241-360 1 241-360 2 2 241-360 4,4	361-460		82 40 8 1 9 30 30 1-90 36.4 18.6 4.5 34.8	7 6 2 74 10 91-ALL 17.9 14.0 3.7	1-ALL 54.3 31.0 8.2	
CATEGORY II IIIA IIIA IIIC III III IIII III III III CATEGORY III AVERAGE CATEGORY III CATEGORY	1-15 34 10 2 10 11 11 1-15 6.3 2.7 .5 3.2 2.1	16-30 22 14 2 10 16-30 8.9 5.9 4.3 3.6 4 EACH	31-65 12 3 2 9 4 4 URATION 31-45 7.6 2.0 1.1 5.6 2.6 DURATI	## HOUR! ## HOUR! ## HOUR! ## HOUR! ## HOUR! ## HOUR!	\$1-90 \$2 1 12 2 8 AND 1 \$1-90 \$-7 2.5 1.3 14.3 2.6 suffs A	91-120 1 2 2 9 4 7ENTHS 91-120 1.8 3.2 3.2 9.7 4.1 4.7	71H 121-100 9 9 12 12 121-100 11.0 7.3 20.0 12.4	6 IN MID 101-240 1 5 1 2 IN MID 181-240 3.9 17.0 3.5	HUTES 241-360 4,4	361-480		82 40 8 1 99 34.4 18.6 4.5 34.8 17.0	7 6 2 74 10 91-ALL 17.9 14.0 3.7	1-ALL 54.3 21.0 0.2 0.2 0.3	
CATEGORY II IIIB IIIC III IIIB IIIC III IIII IIII	1-15 34 10 2 10 11 11 1-15 6.3 2.7 .5 3.2 2.1	16-30 22 14 2 12 10 EACH D 16-30 6.9 5.9 6.9 7.9 8.9 8.9 8.9 8.9 8.9 8.9 8.9 8.9 8.9 8	31-65 12 3 2 9 4 URATION 31-65 7.6 2.6 DURATE 31-65 30.6 39.7 39.7	# HOUR! # HOUR! # 46-60 7-1 6-3 -8 7-2 6-0 GM WIR #6-60 93.5	61-90 62 1 12 2 8 AND 1 6-7 2-5 1-3 16-3 2-6 61-90 67-3	91-120 1 2 2 9 4 7ENTHS 91-120 1.8 3.2 3.2 9.7 4.1 4.7	71M 121-100 3 3 12 9 121-100 11.0 7.3 29.0 12.4	9 IN MIN 181-240 1 181-240 9 1 1 181-240 9.9 17.0 9.5	HUTES 241-360 4,4 4,4 E,9	361-480	481+	1-90 36.4 10.5 36.4 10.5 36.6 17.0	91-4LL 17.0 10.0 3.7 60.0 22.9	1-ALL 30.3 31.0 0.2 30.6 30.3	
CATEGORY II IIIA IIIC IIIA IIIC CATEGORY III AVERAGE CATEGORY IIIA IIIA IIIA IIIA IIIA IIIA IIIA II	1-15 34 14 2 18 18 18 19 1-15 6.3 2.7 .5 3.2 2.1 7 19 1-15 11.1 11.4 15.0	16-30 22 14 2 12 10 16-30 6-30 5.3 4.5 2.6 4.5 2.6 4.5 2.6 4.5 2.6 4.5 2.6 4.5 2.6 4.5 2.6 4.5 2.6 4.5 2.6 4.5 2.6 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5	31-45 12 3 2 9 4 4 9 1-45 7-6 2.0 1-1 5-6 2.0 DURATE 31-45 30-8 39-7 39-7	# HOUR! # HOUR! # HOUR! # HOUR! # HOUR! # HOUR! # HOUR! # HOUR! # HOUR! # HOUR!	61-90 6.7 2.5 1.5 1.5 1.5 1.5 1.7 2.6 61-90 97.3 74.0	91-120 1 2 2 9 9 -4 7ENTHS 91-120 1.8 3.2 9.7 -4.1 0.7 -4.0 10.0 10.0 10.0 10.5 111.5	71x 121-100 3 3 12 2 5 121-100 11.0 7.3 20.0 12.4 (MS TIM 121-100 139-2 140-3	8 IN MI1 181-240 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HUTES 241-360 4,4 4,4 E,9	361-480	481+	1-90 34.4 12.5 34.8 17.0	91-ALL 17.9 10.0 22.9 91-ALL 159-1 199-7 111-5 102-2	1-ALL 54-3 31-0 0-2 90-6 39-3 1-ALL 30-0 41-2 40-0 90-6 72-0	
CATEGORY 11 1118 1118 1116 1117 TOTAL 71 111A 1110 111C 1111 1111 AVERAGE CATEGORY 11 111A 111B 111B 111B 111B 111B 111B	1-15 34 14 2 18 18 18 19 1-15 6.3 2.7 .5 3.2 2.1 7 19 1-15 11.1 11.4 15.0	16-30 22 14 2 12 10 16-30 6-30 5.3 4.5 2.6 4.5 2.6 4.5 2.6 4.5 2.6 4.5 2.6 4.5 2.6 4.5 2.6 4.5 2.6 4.5 2.6 4.5 2.6 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5	31-45 12 3 2 9 4 4 9 1-45 7-6 2.0 1-1 5-6 2.0 DURATE 31-45 30-8 39-7 39-7	# HOUR! # HOUR! # HOUR! # HOUR! # HOUR! # HOUR! # HOUR! # HOUR! # HOUR! # HOUR!	61-90 6.7 2.5 6.7 2.5 1.3 14.3 2.6 61-90 67.3 74.0 97.0	91-120 1 2 2 9 4 1-120 1.8 3.2 9.7 4.1 4.7 9.1 91-120 110.0 99.5 111.5	71x 121-100 3 3 12 3 121-100 11.0 7.3 20.0 12.4 (MS TIM 121-100 130-2 140-3	@ IN NII 101-240 1 2 IN NII 101-240 3.5 17.0 3.5 2 IN NIM 101-240 206.0	RUTES 241-360 1 2 RUTES 241-360 4,4 8,9 RUTES 241-360 266,0	361-480 361-480 361-480	481+	#2 40 4 1 1 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	91-ALL 17.9 14.0 22.9 91-ALL 159-7 111-5	1-Att 54.3 31.0 0.2 39.3 1-Att 39.3 39.3 1-Att 39.3 39.3 1-Att 39.6 41.2 40.9 39.0	
CATEGORY 11 1118 1118 1117 111 111 111 111 111 111 111 111 11	1-15 14 14 11 18 11 11 11 11 11 11 11 11 11 11 11	16-30 22 10 12 10 8.9 5.9 5.9 6.9 7.6 16-30 20.0 16-30 20.0 16-3 20.0 20.0 16-3 20.0 1	31-05 12 3 2 9 4 4 URATION 31-05 7.0 2.0 DURATI 31-05 30-0 30-0 30-0 30-0 30-0 30-0 30-0 3	0 7 1 8 7 1	61-90 2 1 12 8 AND 1 61-90 6.7 2.5 14.3 2.6 61-90 67.3 74.0 89.0 71.4	91-120 1 2 2 9 4 7ENTMS 91-120 1.8 3.2 2 3.7 4.1 4.7 91.3 10.0 7ENT 91-120 110.0 99.5 111.5	71x 121-100 9 9 9 12 12 12 12 12 12 12 12 12 12 12 12 12	0 1M MII 101-240 1 5 1 8 1M MII 101-240 3.9 17.0 3.5 18 1M MIM 101-240 206.0 209.4 206.0 209.4 206.0	HUTES 241-960 1 2 HUTES 241-960 4,4 8,9 HUTES 241-960 266.0 1DH HQUR	361-460 361-460 361-460	481+	1-90 34.4 12.5 34.8 17.0	91-ALL 17.9 10.0 22.9 91-ALL 159-1 199-7 111-5 102-2	1-ALL 54-3 31-0 0-2 90-6 39-3 1-ALL 30-0 41-2 40-0 90-6 72-0	
CATEGORY II IIIA IIIIA IIIIIA IIIIA IIIIA IIIIA IIIIA IIIIA IIIIA IIIIA IIIIA IIIIII	1-15 34 14 14 11 1-13 2.7 3.2 2.1 71ME 11 1-12 11.1 15.0 10.3 11.3	16-30 22 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 2 2 1 2 2 2 1 2	31-45 32-45 31-45 31-45 31-45 30-6 30-7 31-45 30-8 31-45 31-45 31-45 31-45 31-45 31-45 31-45 31-45	6 7 7 1 MOUR! 46-60 7.1 6.3 7.2 6.0 GM MIN 66-60 95.5 94.0 95.1 95.0 95.0 95.0 95.0 95.0 95.0 95.1 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0	61-90 62 1 12 2 3 AND 1 61-90 6-7 2.9 1.3 14.3 2.6 61-90 71.4 77.3 ALL	91-120 1 2 2 2 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	71H 121-180 9 9 9 12 12 9 9 121-180 11.6 7.9 29.9 12.4 121-180 139.2 146.9 149.7 140.6 (37472 (47472 121-180)	0 1M MII 101-240 1 5 1 8 1M MII 101-240 3.9 17.0 3.5 18 1M MIM 101-240 206.0 209.4 206.0 209.4 206.0	HUTES 241-960 1 2 HUTES 241-960 4,4 8,9 HUTES 241-960 266.0 1DH HQUR	361-460 361-460 361-460	481+	1-90 36.4 16.6 36.5 17.0 1-90 20.7 27.7 27.9 28.0 29.0 20.0	91-ALL 17.9 10.0 22.9 91-ALL 159-1 199-7 111-5 102-2	1-ALL 54-3 54-3 51-0 0-2 90-9 1-ALL 30-0 72-0 53-9	
CATEGORY II IIIA IIIIA IIIIII	1-15 10-15 10-15 11-15 0.37 2-15 11-11-11-11-11-11-11-11-11-11-11-11-11-	16-30 22 22 1 2 2 2 2 1 2 2 2 2 2 2 2 2 2 2	31-05 12 2 9 4 9 4 9 4 9 4 9 4 9 4 9 4 9 7 9 7 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	6 7 7 8 7 7 1 HOUR! 46-60 7 2 6 0 0 48 0 48 0 48 0 48 0 48 0 48 0 48	61-90	91-120 1 2 2 9 9 7ENTMS 91-120 1.8 3.2 2 9.7 0.1 0.7 0.1 0.7 0.1 0.7 0.1 0.7 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	71x 121-100 3 3 12 2 3 12-100 11.0 7.3 20.0 12.4 121-100 130-2 140-7 140-0 (07472 (@ IM MII 101-240 1 2 IM MII 101-240 3.5 17.0 3.5 17.0 206.0 208.0 208.0 208.0 208.0	HUTES 241-960 1 2 HUTES 241-960 4,4 8,9 1741-960 206.0 1DH MQUR	361-460 361-460 361-460	4814	82 40 8 1 190 30-4 18-6 4.5 9-8 17-0 10-0 21-7 27-9 30-0 30-0 1-00 1-10 30-0 1-10 30-0 1-10 30-0 1-10 30-0 1-10 30-0 1-10 30-0 1-10 30-0 1-10 30-0 1-10 30-0 1-10 30-0 1-10 30-0 30-	91-4LL 17.9 10.0 22.9 91-ALL 199-1 199-1 111-5 102.2 139-1	1-ALL 30.0 30.0 30.0 30.0 30.0 30.0 30.0 30	
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CATEGORY II IIIA IIIIA IIIIIA IIIIA IIIIA IIIIII	1-15 34 14 16 11 11 11 11 11 11 11 11 11 11 11 11	16-30 22 14 12 12 12 12 12 12 12 12 12 12 12 12 12	B1-45 12 3 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	6 7 1 HOURS 46-60 CN MIN 48-60	61-90 62 1 12 2 2 3 AMD 1 61-90 6-7 2.5 1.3 14.3 2.6 61-90 77.5 ALL 61-90 8 4 1	91-120 1 2 2 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	71x 121-100 9 9 12 12-100 11.6 7.3 29.9 12.100 139.2 140.3 140.7 140.6 (37472 (47472 (@ IM MII 101-240 1 2 IM MII 101-240 3.5 17.0 3.5 17.0 206.0 208.0 208.0 208.0 208.0 208.0	HUTES 241-360 1 2 HUTES 241-360 4,4 8,9 1241-360 286.0 1DH HQUR	361-460 361-460 361-460	4814	1-90 34.4 11.6 34.5 11.0 1-90 20.7 27.9 28.6 30.0	91-4LL 17.9 10.0 2.7 60.9 22.9 91-4LL 139-1 111-5 102-2 139-1	1-ALL 34-3 31-0 8-2 31-0 8-2 31-0 8-2 31-0 8-2 31-0 8-2 31-0 1-ALL 30-0 72-0 93-9	
CATEGORY II IIIA IIIIA IIIA IIIIA IIIIIA IIIIA IIIIA IIIIA IIIIA IIIIA IIIIIA IIIIIA IIIIIA IIIIIA IIIII IIIII IIIII VOTAL TI	1-15 34 10 10 11 1-15 6.37 7.7 2.1 7.7 2.1 11.5 11.5	16-30 22 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	31-45 12 3 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	6 7 1 HOURS 46-60 CN MIN MOURS 94-10 VN MIN MOURS 94-10 VN MIN MOURS 94-10 VN MOU	61-90 6 2 1 1 2 2 2 2 2 2 2 3 AMD 1 41-90 6.7 2.5 5 1.3 1 4.3 2 2.6 61-90 77.0 3 61-90 77.5 ALL	91-120 1 2 2 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	71x 121-180	8 1M MII 101-240 1 8 1M MII 181-240 9.9 17.0 9.5 11 MIM 181-240 206.0 208.4 208.0 00888VAT 2 1M MIM 181-240 2 1	HUTES 241-360 1 2 HUTES 241-360 4,4 8,9 HUTES 241-360 266.0 1DH HQUR	361-480 361-480 361-480	481.	82 40 8 1 190 36.4 18.6 4.5 94.8 17.0 1-90 20.7 27.9 30.0 30.0 1-90 10.7 10.7 10.7 10.7 10.7 10.7 10.7 10.	91-4LL 17.9 10.0 91-4LL 17.9 10.0 22.9 91-4LL 159-1 111-5 102.2 91-4LL 179-7 111-5 102.2	1-ALL 30-0 10-11-11-11-11-11-11-11-11-11-11-11-11-1	
CATEGORY 11 1118 1118 1118 1119 1119 1119 1111 1110 1111 1110 1111 1111 1111 1111 1111 1111 1111 1111	1-15 3-4 1-2 1-2 1-1 1-1 1-1 1-1 1-1 1-1 1-1 1-1	16-30 22 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	31-45 12 3 2 2 9 4 4 4 5 2 14 2 14 14 14 14 14 14 14 14 14 14 14 14 14	8 7 7 1 HOURS 48-60 7 7 1 6-3 6-0 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	61-90 6 2 2 2 2 2 2 2 2 2 2 2 2 3 AND 1 61-90 6.7 7 2.5 5 1.3 3 14.3 2.6 61-90 89.0 77.3 ALL 61-90 8 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	91-120 1 2 2 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	TIM 121-180 9 9 12-180 11.6 7.3 29.9 12.180 139.2 140.5 140.7 140.6 (07472 (4) 121-180 7	8 1M MII 101-240 1 8 1M MII 181-240 9.9 17.0 9.5 11 MIM 181-240 206.0 208.4 208.0 00888VAT 2 1M MIM 181-240 2 1	HUTES 241-360 1 2 HUTES 241-360 4,4 8,9 HUTES 241-360 266.0 1DH HQUR	361-480 361-480 361-480	4814	32 40 8 8 1 50 30 10 10 10 10 10 10 10 10 10 10 10 10 10	91-4LL 17.9 14.0 22.9 91-4LL 193-1 193-1 193-1 193-1 193-1 193-1 193-1 193-1 193-1 193-1 193-1 193-1 193-1	1-ALL 190 01 1-11 190 01 1-11 190 01 1-11 190 01 1-11 190 01 190	97,10
CATEGORY 11 1118 1118 1118 1119 1119 1119 1111 1111 1111 1111 1111 1111 1111 1111	1-15 1-15	16-30 22 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	31-45 12 2 2 2 2 2 2 4 4 4 5 2.0 1-1 2.0 1-1 2.0 1-1 3-4 3-4 13-4 13-5 13-4 13-5 13-4 13-5 13-4 13-5 13-6 13-6 13-6 13-6 13-6 13-6 13-6 13-6	## AB-BO	61-90 6 2 2 2 2 2 2 2 2 2 2 2 3 AMD 1 61-90 6.7 7 2.5 1.3 3 16.3 2.6 61-90 67.3 7 7 0.0 0 7 7 7 7 .3 ALL 61-90 8 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	P1-120 1 2 2 9 4 FENTMS P1-120 1 8 3 2 3 7 9 1 1 1 2 0 1 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TIM 121-180 12 9 12 9 121-180 11.6 7.3 29.9 12.180 139.2 140.5 140.5 140.6 121-180 140.6 140.7 140.6 140.7 140.6 140.7 140.6 140.7 140.6 140.7 140.7 140.7 140.7 140.8	0 1M MII 101-240 1 2 1M MII 101-240 3.9 17.0 3.9 17.0 3.9 206.0 209.4 206.0 005884VAT 1 1 1M MIM 101-240 7 1 1 1M MIM 101-240 7.0 9.9	HUTES 241-960 1 2 HUTES 241-960 4,4 8,9 241-960 266,0 10M MQUR UUTES 221-960 6 0.8	361-480 361-480 361-480	481.	1-90 36.4 14.6 5 34.5 17.0 1-90 25.7 27.9 27.9 27.0 27.0 27.0 27.0 27.0 27.0 27.0 27.0	91-ALL 17.9 14.0 91-ALL 17.9 14.0 91-ALL 179-7 111-5 162.2 179-1 91-ALL 43.0 91-ALL 43.0 10.1	1-ALL 150 61 150 58 10 11 150 58 10 11 150 58 10 15 10	97,10
CATEGORY IIIA IIIIA IIIIII	1-15 1-15	16-30 22 14 2 12 12 12 12 12 12 12 12 12 12 12 12 1	31-45 12 3 2 2 9 4 4 4 5 2 14 2 14 14 14 14 14 14 14 14 14 14 14 14 14	8 7 7 1 MOURS 46-60 7.1 6.3 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8	61-90 6 2 2 2 2 2 2 2 2 2 2 2 2 3 AND 1 61-90 6.7 7 2.5 5 1.3 3 14.3 2.6 61-90 89.0 77.3 ALL 61-90 8 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	91-120 1 2 2 2 2 3 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	71x 121-100	0 1M MII 101-240 1 2 1M MII 181-240 3.5 2 1M MIMI 181-240 200.0 203.4 200.0 005884VAT 2 1M MIM 101-240 7 1	HUTES 241-960 1 2 HUTES 241-960 4,4 8,9 HUTES 241-960 266,0 IDM HQUR UUTES 241-960 266,0	361-480 361-480 361-480	481.	82 40 8 1 50 30 1-00 30 4.5 34.8 17.0 1-90 20.7 27.9 38.0 39.0 1-90	91-ALL 17-9 14-0 22-9 91-ALL 139-1 139-7 111-5 162-2 139-1 91-ALL 43-0 91-ALL 43-0 11	1-ALL 150 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	97,10
CATEGORY II III III CATEGORY III III CATEGORY III III AVERAGE CATEGORY III III PREDUENC CATEGORY III III CATEGORY III III CATEGORY III III CATEGORY IIII IIII AVERAGE	1-15 34 10 10 11 1-15 3.2 2.7 2.1 1-15 11.5 11.5	16-30 22 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	21-45 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	## 1 HOURS	61-90 62 2 2 2 2 2 3 AM9 1 61-90 6.7; 2.5 1.5 10.3 2.6 61-90 71.4 77.5 ALL 61-90 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	91-120 1 2 2 2 9 9 9 1-120 1.8 3.7 9.7 9.1 10.0 99.5 111.5 111.5 110.4 99.8 91-120 95.5 111.5 1	71x 121-100 3 9 9 122-100 11.0 7.3 121-100 11.0 7.3 140.0 (07072	8 1M MI1 101-240 1 2 1M MI1 181-240 3.5 2 1M MIM 181-240 200.0 203.4 200.0 00580VAT 2 1M MIM 101-240 7.0 3.5	HUTES 241-360 1 2 HUTES 241-360 4,4 4,4 8,9 HUTES 241-360 286,0 IDM MQUR HUTES 241-360 0,8 18,9	361-480 361-480 361-480	4814	32 40 8 1 50 34 17.0 1-00 20.7 27.9 38.6 20.0 20.7 27.9 38.6 30.0 1-00 1-00 1-00 1-00 1-00 1-00 1-00 1	91-4LL 17.9 14.0 22.9 91-ALL 199-1 199-7 111-8 102-2 139-1 91-ALL 27 0 3 99 11	1-ALL 190 01 1-11 190 01 1-11 190 01 1-11 190 01 1-11 190 01 190	97.19
CATEGORY IIIA II	1-15 1-15	16-30 22 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	31-45 2 2 2 9 4 4 9 2 9 2 9 9 9 9 9 9 9 9 9 9	8 7 7 1 MOURS 46-60 7.1 6.3 7 6.0 0 M MIN 46-60 93.5 94.1 91.0 94.1 91.0 9 9.1 8.2 8.6 9.0 0 M MOURS 46-60 9.1 8.2 8.6 9.0 0 M MOURS 46-60 9.1 8.2 8.6 9.0 0 M MIN MARKA	61-90 6 27 1 34 449 1 61-90 6.7 5 1.3 16.3 2.6 67.3 74.00 67.3 74.00 67.3 74.0 67.3 44.1 61-90 8.4 4.1 16.4 16.5 61.5 16.7 3.7 16.7 16.7 16.7 16.7 16.7 16.7 16.7 16	P1-120 1 2 2 9 4 7ENTMS 91-120 1 .8 3.7 9.1 9.7 9.1 10.0 99.5 111.5 109.6 99.8 91-120 10 10 10 10 10 10 10 10 10 10 10 10 10	TIM 121-180 3 9 12 9 121-180 11.6 7.3 24.9 121-180 139-2 140.7 140.8 (07472 ((07472 (121-180) 149.7 149.8 149.7 149.8 (07472 (121-180) 149.7 149.8 5 7,6 39.3 121-180 i 121-180 i	0 1M MIN 101-240 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HUTES 241-360 1 2 HUTES 241-360 4,4 4,4 8,9 HUTES 241-360 286,0 IDM MQUR HUTES 241-360 0,8 18,9	361-480 361-480 361-480	4814	1-90 1-90 1-90 10-4 11-9 10-4 11-9 10-9 10-9 10-9 10-9 10-9 10-9 10-9	91-ALL 17.9 10.0 91-ALL 17.9 10.0 91-ALL 139-17 111-5 102.2 139-1 17 0 8 3 91-ALL 43.0 19-ALL 43.0 19-ALL 43.0 19-ALL	1-ALL 150 61 12 130 58 1-ALL 150 61 13 14 150 61 15	97,1*
CATEGORY 11 111 111 111 111 111 111 111 111 1	1-15 1-15	16-30 22 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	31-45 2 2 2 9 4 4 9 2 9 2 9 9 9 9 9 9 9 9 9 9	8 7 7 1 MOURS 46-60 7.1 6.3 7 6.0 0 M MIN 46-60 93.5 94.1 91.0 94.1 91.0 9 9.1 8.2 8.6 9.0 0 M MOURS 46-60 9.1 8.2 8.6 9.0 0 M MOURS 46-60 9.1 8.2 8.6 9.0 0 M MIN MARKA	61-90 6 27 1 34 449 1 61-90 6.7 5 1.3 16.3 2.6 67.3 74.00 67.3 74.00 67.3 74.0 67.3 44.1 61-90 8.4 4.1 16.4 16.5 61.5 16.7 3.7 16.7 16.7 16.7 16.7 16.7 16.7 16.7 16	91-120 1 2 2 2 2 3 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	TIM 121-180 9 12 121-180 11.6 7.1 20.0 121-180 121-180 121-180 140.7 140.8 (07072 (140.8) 121-180 140.5 7.1 1	0 1M MII 101-240 1 2 1M MII 101-240 3.9 17.0 3.9 17.0 3.9 206.0 209.4 206.0 005884VAT 101-240 17.0 3.9 1 1M MIM 101-240 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HUTES 241-960 1 2 HUTES 241-960 4,4 8,9 241-960 266,0 10M HQUR UTES 241-960 0,8 18,9	361-480 361-480 361-480	481+	1-90 20.0 1-90 20.7 27.9 28.0 20.0 20.7 27.9 28.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0	91-4LL 17.9 14.0 22.9 91-ALL 199-1 199-7 111-8 199-1 199-1 199-7 111-8 199-1 102-2 139-1 91-ALL 43-0 10-1 3-7 99-1	1-ALL 190 - 01 - 11 - 12 - 02 - 02 - 02 - 02 - 0	97,10
CATEGORY II III III III III VOTAL TI III III III CATEGORY III III III III III III III III III I	1-15 34 10 10 11 10 10 11 10 11 11	16-30 22 1 1 2 2 1 2 1	Bl-45 12 2 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8 7 1 HOURS 46-60 CH HIS 46-60	61-90 62 2 2 2 2 2 2 3 AMD 1 61-90 6.7 5 1.5 3 16.3 2 61-90 6.7 9 74.0 3 3 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	P1-120 1 2 2 9 4 7ENTMS 91-120 1 .8 3.7 9.1 9.7 9.1 10.0 99.5 111.5 109.6 99.8 91-120 10 10 10 10 10 10 10 10 10 10 10 10 10	TIM 121-180 3 9 12 9 121-180 11.6 7.3 24.9 121-180 139-2 140.7 140.8 (07472 ((07472 (121-180) 149.7 149.8 149.7 149.8 (07472 (121-180) 149.7 149.8 5 7,6 39.3 121-180 i 121-180 i	0 1M MIN 101-240 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HUTES 241-960 1 2 HUTES 241-960 4,4 8,9 241-960 266,0 10M HQUR UTES 241-960 0,8 18,9	361-480 361-480 361-480	481+	1-90 20-21 1-90 20-21 10-90 20-7-9 21-90 2	91-4LL 17.9 10.0 91-4LL 17.9 10.0 22.9 91-4LL 139-1 119-7 111-5 102.2 139-1 17-6 8 39 11	1-ALL 150 11 12 12 12 12 12 12 12 12 12 12 12 12	97,19

- 20 -

ANCHORAGE, INTERNATIONAL TABLE XXI - TEMPERATURE > 32 DEGREES (F), WITH FOG, NO PRECIPITATION, AND WIN 0700 - 1900 (2557) DESERVATION HOURS)			- DECEM	0[R 1965	
FREQUENCY OF OCCURRENCE TIME IN MINUTES CATEGORY 1-15 16-30 31-45 46-60 61-90 91-120 121-180 181-240 241-360 361-680 [] 2 2	481+	1-90	91-ALL	;-4LL	
111A 1116 111C 11 + 111 2 2					
m		•		•	
TOTAL TIME IN EACH DURATION MOURS AND TENTHS TIME IN MINUTES CATEGORY 1-15 10-90 31-05 40-00 61-90 91-120 121-180 181-240 241-900 361-480 11 -5 1-0 111A	481+	1-90	-1-ALL	1-ALL 1-5	
1118 1116 11 + 111 - 9 1-0		1.5		1.5	
AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS					
CATEGORY 1-15 10-30 31-45 46-60 61-90 91-120 121-160 101-240 241-960 361-480 III 15:0 31.0 IIIA IIIA IIIA IIIA IIIA IIIA IIIA II	481+	1-90	♥i-All	1-ALL 23.0	
11:0 11 • 111 15:0 31:0		23.0		23.0	
FREQUENCY OF DCCURRENCE					
TIME IN MIMUTES CATEGORY 1-15 16-30 31-65 46-60 61-90 91-120 121-160 181-240 241-960 361-480 II 1	401+	1-90	91-ALE	1-411	
111A 1116 11 + 111 1		1		1	
TOTAL TIME IN EACH DURATION HOURS AND TENTHS					
CATEGORY 1-15 16-30 31-45 46-60 61-90 91-120 121-180 181-240 241-360 361-480 II .2 .2 IIIA IIIA	481+	1-90	*1-ALL	1-411	
iiič 11 * 111 .9		.5		.9	
AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS TIME IN MINUTES					
CATEGORY 1-15 16-30 31-65 46-60 61-90 91-120 121-180 181-240 241-360 761-680 111 15:0 1114 1118	401+	19.0	91-ALL	1-ALL 19.0	
111C 11 - 111 19-0 111		15.0		15.0	
PREQUENCY OF OCCURRENCE 2200 - 0600 (32877 OBSERVATION MOURS)					
TIME IN MINUTES CATEGORY 1-15 10-30 31-65 68-60 61-90 91-120 121-180 181-260 261-360 361-680 11	481+	1-90	91-ALL	1-ALL	
111A 1 1110 1111C					
11 + 111 1		i		1	
TOTAL TIME IN EACH DURATION MOURS AND TENTHS TIME IN MINUTES CATEGORY 1-15 16-90 31-45 46-60 61-90 91-120 121-180 181-240 241-360 361-460	481+	1-90	91-ALL	1-ALL	
11 .4 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1		:	*******	:3	
iiić 11 + 111		:		:	
AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS		••			
CATEGORY :-15 16-30 31-45 66-40 61-90 91-120 121-180 181-240 241-360 361-480 1114 12.0	401+	1-90 24.0 12.0	91-ALL	1-4LL 24.0 12.0	
		70.0 12.0		36.0	
PREQUENCY OF OCCURRENCE ALL (87072 DESERVATION MOUNES)				••••	
CATEGORY 1-15 10-30 31-45 40-60 61-90 91-120 121-180 181-240 241-360 361-480 11 3 1 2	481+	1-90	+1-ALL	1-ALL	
1114 1 1116 1		1		,	
11 • 111 3 3		i		i	
TOTAL TIME IN EACH OURATION HOURS AND TENTHS TIME IN RIMUTES CATEGORY 1-15 10-70 51-45 40-60 61-90 91-120 121-180 181-240 241-360 361-480 II	481+	\$-\$ 00-1	93-ALL	1-ALL 2.2	2,2
1116 1117 11 • 111 • 0 1• 0		2.4		2.4	
ILI .2 AVERAGE TIME IN PACH DURATION MINUTES AND TENTHS		-18		1	
TIME IN MINUTES CATEGORY 1-15 18-30 31-65 66-60 81-90 91-120 121-180 181-340 201-360 361-480 II 15-0 24-0 31-0 IIIA 12-0	401+	1-90 21.8 12.0	* 1-4LL	1-ALL 21.8 12.0	
1118 1117 11 • 111 19.0 92.7 111 12.0		23.4 12.0		23.4 12.0	

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